

SUMMARY

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-1 Luminaire

Criteria	Result
Total Lumen Output (lm)	17.1201
Total Power(W)	0.8656
Lamp Luminaire Efficacy (lm/W)	19.78
Power Factor	0.6159
Field Angle (°)	145.2
Correlated Color Temperature (CCT)	2898
Color Rendering Index (CRI)	97
Color Rendering Index (R ₉)	97
Fidelity Index (R _f)	95
Gamut Index (R _g)	101
Chromaticity Coordinate (x)	0.4439
Chromaticity Coordinate (y)	0.4055
Chromaticity Coordinate (u')	0.2544
Chromaticity Coordinate (v')	0.5230
In-situ Case Temperature of LED/COB (°C)	35.8
Drive Current of LED/COB (mA)	220
Projection Life Time, Reported L70 (hours)	>60000

***** End of Page *****

RESULTS OF TESTS

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-1 Luminaire

Total operation burning time: 70 min

Stabilization time: 60 min

Photometric Measurements at 25°C

Intertek Sample No.	Base Orientation	Correlated Color Temperature (K)	CRI	CIE 31' Chromaticity Coordinate (x)	CIE 31' Chromaticity Coordinate (y)	CIE 76' Chromaticity Coordinate (u')	CIE 76' Chromaticity Coordinate (v')
SL19 AREA LIGHT-SHORT-1 Luminaire							
A250512-25-001	N/A	2898	97	0.4439	0.4055	0.2544	0.5230

Photometric and Electrical Measurements at 25°C

Intertek Sample No.	Base Orientation	Input Voltage (Vac)	Input Current (A)	Lamp Input Power (Watts)	Input Power Factor	Absolute Luminous Flux (Lumens)	Lumen Efficacy (Lumens Per Watt)
SL19 AREA LIGHT-SHORT-1 Luminaire							
A250512-25-001	N/A	15.0	0.0941	0.8656	0.6159	17.1201	19.78

Zonal Lumen Summary and Percentages at 25°C

Zone	Lumens (lm)	% Luminaire (%)
SL19 AREA LIGHT-SHORT-1 Luminaire		
0-30	5.293	30.9
0-40	8.550	49.9
0-60	14.36	83.9
0-90	17.11	99.9
0-180	17.12	100.0

Beam Angle

	Horizontal Spread (°)	Vertical Spread (°)
SL19 AREA LIGHT-SHORT-1 Luminaire		
Beam (50%)	104.2	92.9
Beam Angle	98.6	

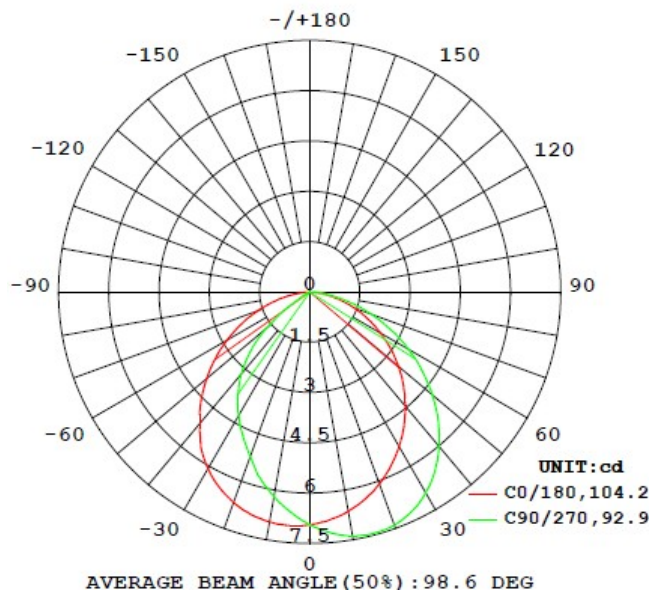
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RESULTS OF TESTS (cont'd)

Intensity (Candlepower) Summary at 25°C – Candelas

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-1 Luminaire

G \ C(°)	0	22.5	45	67.5	90
0	6.936	6.936	6.936	6.936	6.936
5	6.823	6.942	7.056	7.148	7.206
10	6.638	6.873	7.093	7.269	7.380
15	6.392	6.723	7.035	7.288	7.446
20	6.085	6.497	6.884	7.194	7.393
25	5.734	6.199	6.635	6.990	7.217
30	5.335	5.833	6.297	6.675	6.922
35	4.903	5.410	5.877	6.261	6.516
40	4.443	4.937	5.392	5.761	6.014
45	3.961	4.424	4.848	5.192	5.426
50	3.464	3.882	4.262	4.574	4.783
55	2.959	3.321	3.651	3.919	4.097
60	2.427	2.735	3.025	3.248	3.398
65	1.925	2.162	2.377	2.547	2.675
70	1.431	1.600	1.760	1.883	1.974
75	0.954	1.060	1.162	1.245	1.311
80	0.516	0.563	0.612	0.657	0.698
85	0.161	0.166	0.176	0.190	0.208
90	0.002	0.004	0.007	0.011	0.013



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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-1 Luminaire

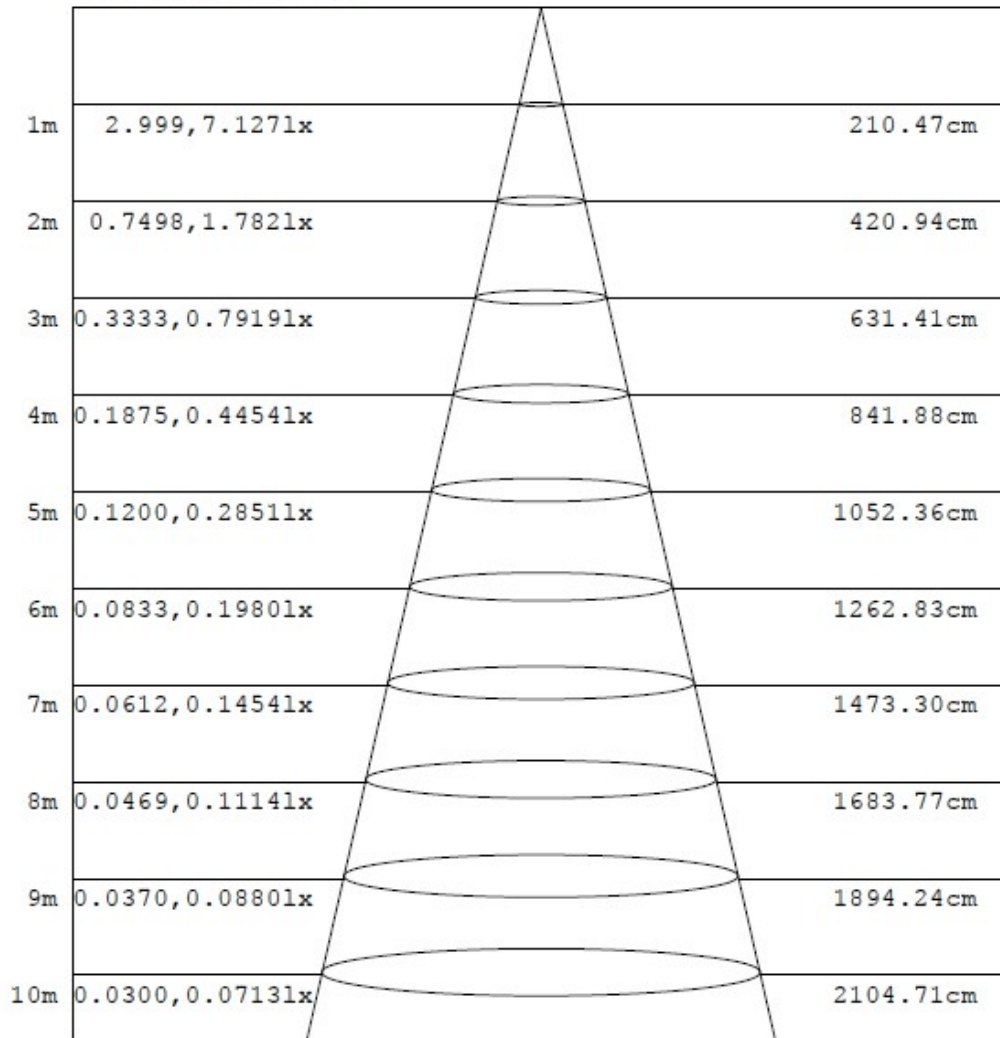
Illumination Plots

Model No.: SL19 AREA LIGHT-SHORT-1 Luminaire

Mount Height: 10 m

Illuminance - Cone of Light

Flux out: 10.84 lm



Height Eavg, Emax Angle: 92.92deg Diameter

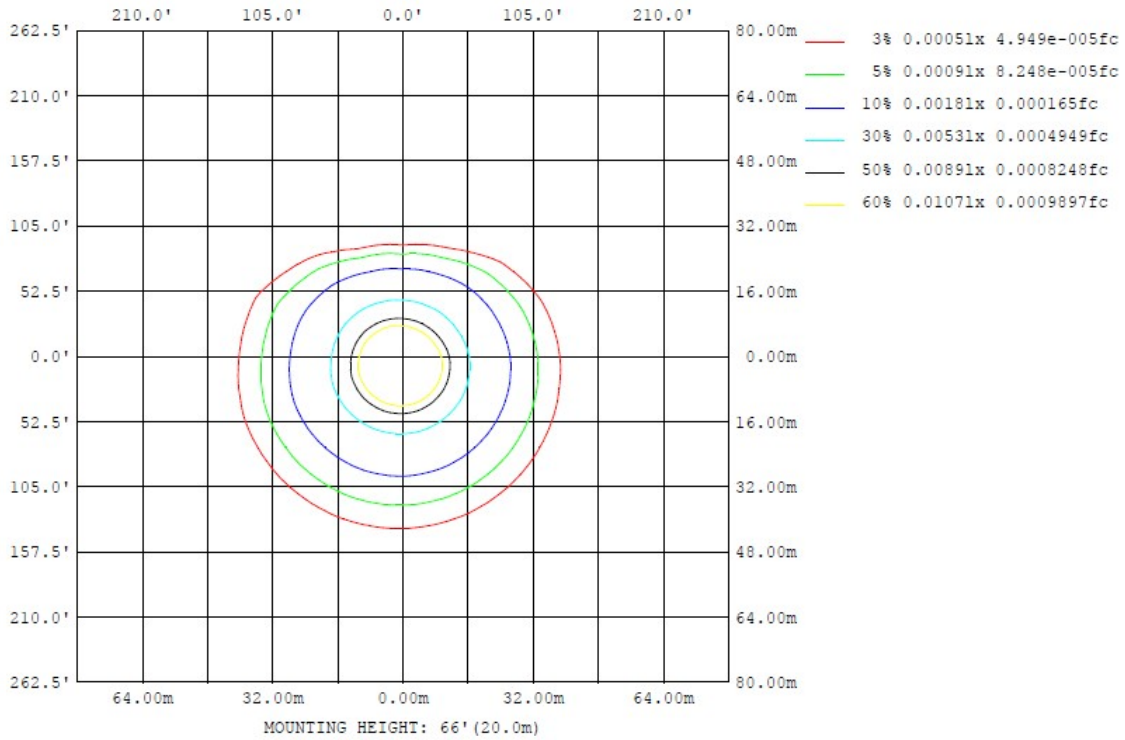
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-1 Luminaire

Model No.: SL19 AREA LIGHT-SHORT-1 Luminaire
Mount Height: 20 m
Isoillumination Plot



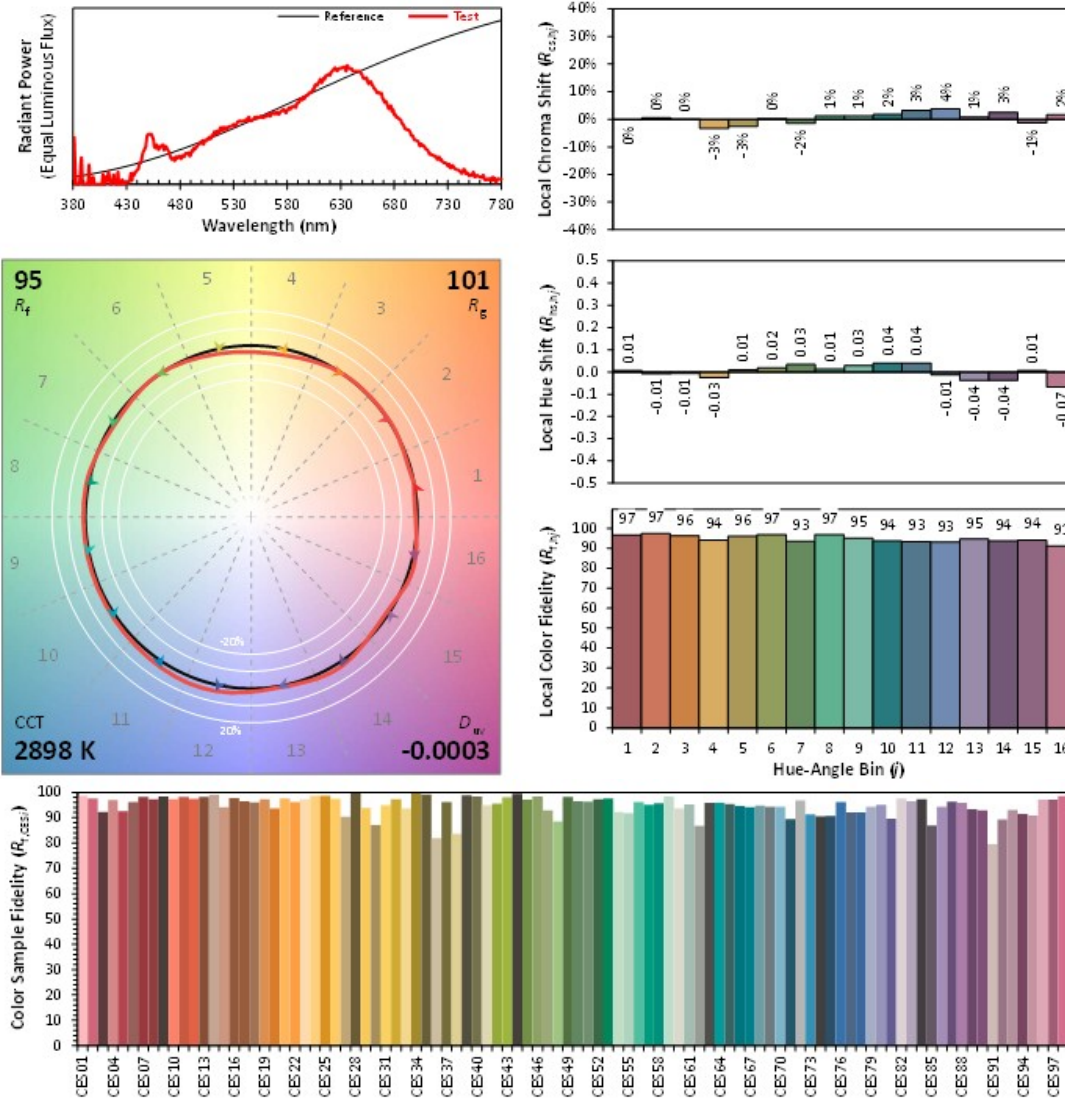
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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-1 LUMINAIRE

ANSI/IES TM-30-18 Color Rendition Report

Source: LED
 Date: 5/12/2025
 Manufacturer: STERLING LIGHTING LLC
 Model: SL19 AREA LIGHT-SHORT-1 Luminaire



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x	0.4439	CIE 13.3-1995 (CRI)
y	0.4055	
u'	0.2544	
v'	0.5230	
		R_a 97
		R_g 97

***** End of Page *****

SUMMARY

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-2 Luminaire

Criteria	Result
Total Lumen Output (lm)	30.0858
Total Power(W)	1.7116
Lamp Luminaire Efficacy (lm/W)	17.58
Power Factor	0.6595
Field Angle (°)	153.3
Correlated Color Temperature (CCT)	2956
Color Rendering Index (CRI)	98
Color Rendering Index (R ₉)	95
Fidelity Index (R _f)	96
Gamut Index (R _g)	101
Chromaticity Coordinate (x)	0.4412
Chromaticity Coordinate (y)	0.4073
Chromaticity Coordinate (u')	0.2519
Chromaticity Coordinate (v')	0.5233
In-situ Case Temperature of LED/COB (°C)	37.9
Drive Current of LED/COB (mA)	220
Projection Life Time, Reported L70 (hours)	>60000

***** End of Page *****

RESULTS OF TESTS

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-2 Luminaire

Total operation burning time: 70 min

Stabilization time: 60 min

Photometric Measurements at 25°C

Intertek Sample No.	Base Orientation	Correlated Color Temperature (K)	CRI	CIE 31' Chromaticity Coordinate (x)	CIE 31' Chromaticity Coordinate (y)	CIE 76' Chromaticity Coordinate (u')	CIE 76' Chromaticity Coordinate (v')
SL19 AREA LIGHT-SHORT-2 Luminaire							
A250512-25-002	N/A	2956	98	0.4412	0.4073	0.2519	0.5233

Photometric and Electrical Measurements at 25°C

Intertek Sample No.	Base Orientation	Input Voltage (Vac)	Input Current (A)	Lamp Input Power (Watts)	Input Power Factor	Absolute Luminous Flux (Lumens)	Lumen Efficacy (Lumens Per Watt)
SL19 AREA LIGHT-SHORT-2 Luminaire							
A250512-25-002	N/A	15.0	0.1738	1.7116	0.6595	30.0858	17.58

Zonal Lumen Summary and Percentages at 25°C

Zone	Lumens (lm)	% Luminaire (%)
SL19 AREA LIGHT-SHORT-2 Luminaire		
0-30	9.241	30.7
0-40	14.97	49.8
0-60	25.20	83.8
0-90	30.08	100.0
0-180	30.09	100.0

Beam Angle

	Horizontal Spread (°)	Vertical Spread (°)
SL19 AREA LIGHT-SHORT-2 Luminaire		
Beam (50%)	106.3	97.6
Beam Angle	101.9	

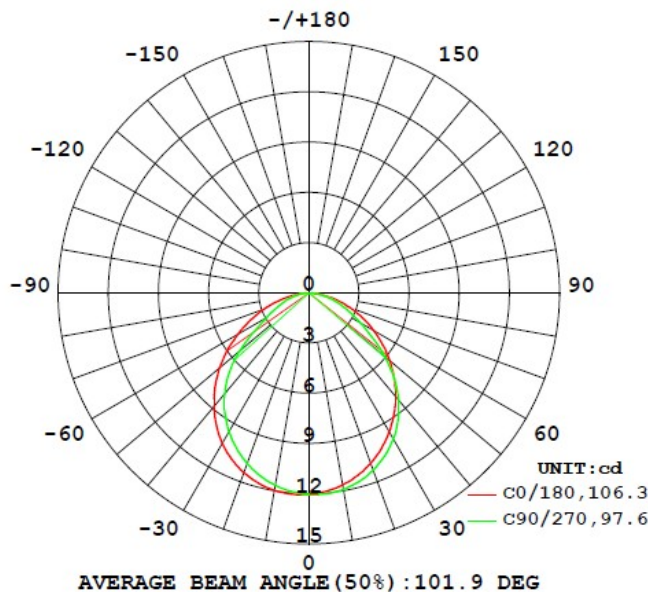
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RESULTS OF TESTS (cont'd)

Intensity (Candlepower) Summary at 25°C – Candelas

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-2 Luminaire

G \ C(°)	0	22.5	45	67.5	90
0	12.031	12.031	12.031	12.031	12.031
5	11.893	11.918	11.957	11.996	12.036
10	11.644	11.690	11.760	11.835	11.910
15	11.285	11.350	11.440	11.543	11.654
20	10.819	10.898	11.002	11.126	11.263
25	10.259	10.337	10.453	10.587	10.741
30	9.603	9.687	9.796	9.930	10.094
35	8.868	8.948	9.046	9.141	9.292
40	8.070	8.137	8.212	8.220	8.330
45	7.210	7.272	7.278	7.156	7.212
50	6.314	6.362	6.251	5.935	5.940
55	5.397	5.429	5.125	4.618	4.587
60	4.470	4.475	3.920	3.449	3.533
65	3.551	3.519	2.815	2.565	2.686
70	2.620	2.581	2.000	1.876	1.964
75	1.735	1.699	1.318	1.240	1.303
80	0.930	0.895	0.696	0.655	0.695
85	0.278	0.259	0.198	0.189	0.207
90	0.001	0.003	0.007	0.010	0.012



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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-2 Luminaire

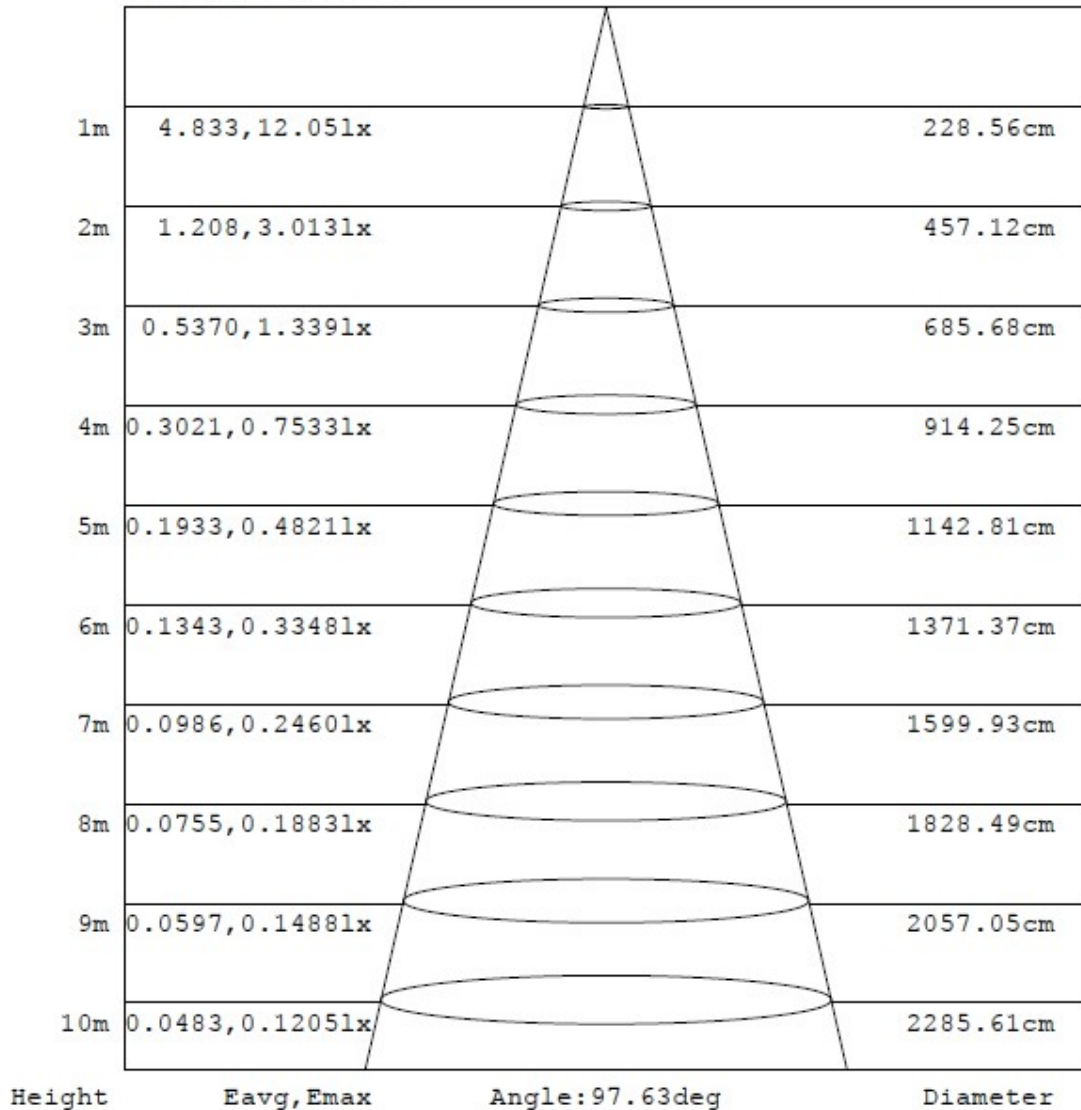
Illumination Plots

Model No.: SL19 AREA LIGHT-SHORT-2 Luminaire

Mount Height: 10 m

Illuminance - Cone of Light

Flux out: 20.09 lm



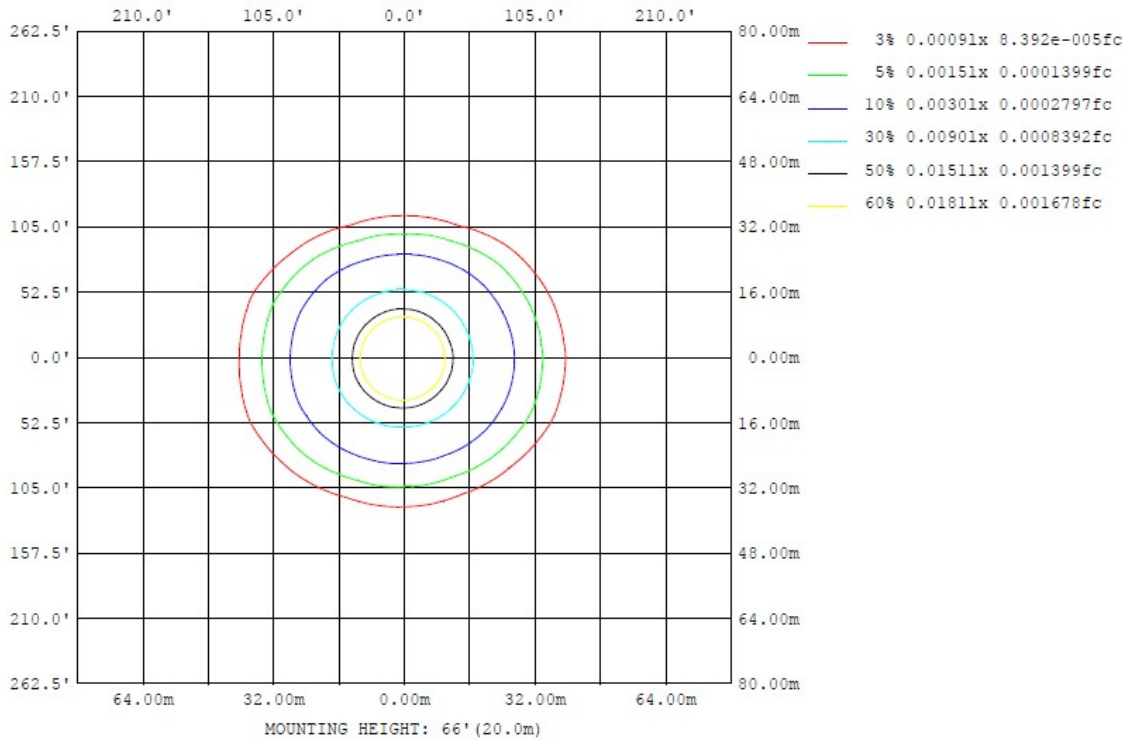
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-2 Luminaire

Model No.: SL19 AREA LIGHT-SHORT-2 Luminaire
Mount Height: 20 m
Isoillumination Plot



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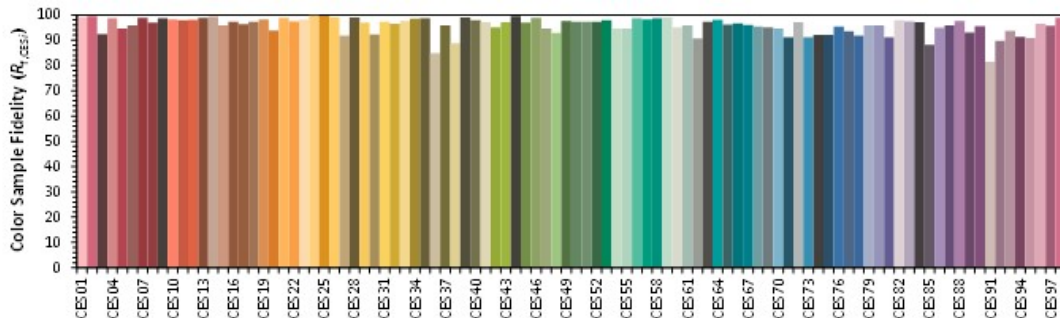
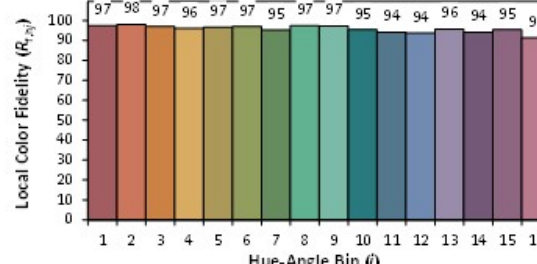
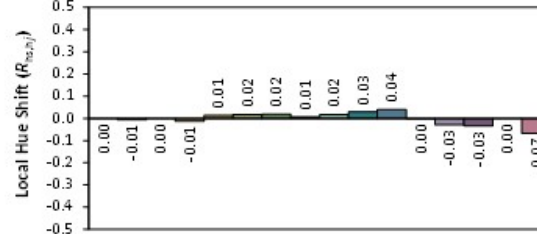
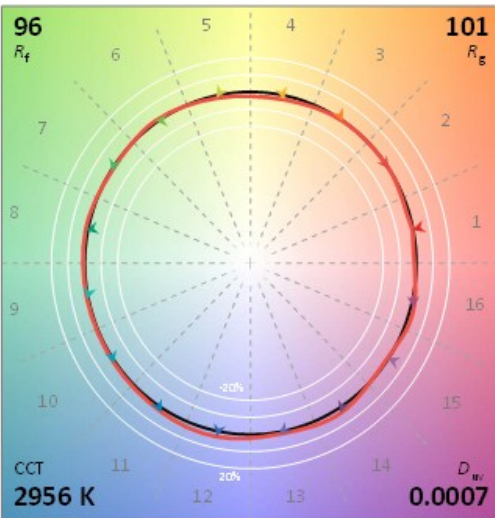
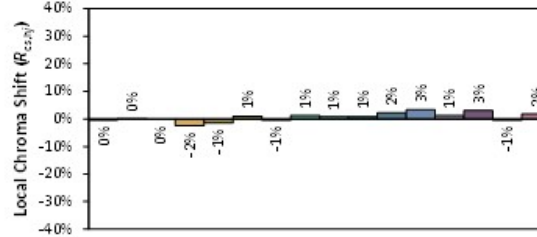
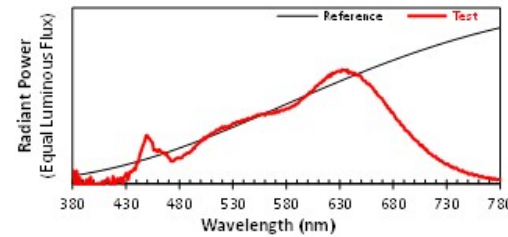
RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-SHORT-2 LUMINAIRE

ANSI/IES TM-30-18 Color Rendition Report

Source: LED
Date: 5/12/2025

Manufacturer: STERLING LIGHTING LLC
Model: SL19 AREA LIGHT-SHORT-2 Luminaire



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4412
y 0.4073
u' 0.2519
v' 0.5233

CIE 13.3-1995
(CRI)
R_a 98
R_g 95

***** End of Page *****

SUMMARY

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-1 Luminaire

Criteria	Result
Total Lumen Output (lm)	17.1201
Total Power(W)	0.8656
Lamp Luminaire Efficacy (lm/W)	19.78
Power Factor	0.6159
Field Angle (°)	145.2
Correlated Color Temperature (CCT)	2898
Color Rendering Index (CRI)	97
Color Rendering Index (R ₉)	97
Fidelity Index (R _f)	95
Gamut Index (R _g)	101
Chromaticity Coordinate (x)	0.4439
Chromaticity Coordinate (y)	0.4055
Chromaticity Coordinate (u')	0.2544
Chromaticity Coordinate (v')	0.5230
In-situ Case Temperature of LED/COB (°C)	35.8
Drive Current of LED/COB (mA)	220
Projection Life Time, Reported L70 (hours)	>60000

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RESULTS OF TESTS

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-1 Luminaire

Total operation burning time: 70 min

Stabilization time: 60 min

Photometric Measurements at 25°C

Intertek Sample No.	Base Orientation	Correlated Color Temperature (K)	CRI	CIE 31' Chromaticity Coordinate (x)	CIE 31' Chromaticity Coordinate (y)	CIE 76' Chromaticity Coordinate (u')	CIE 76' Chromaticity Coordinate (v')
SL19 AREA LIGHT-TALL-1 Luminaire							
A250512-25-001	N/A	2898	97	0.4439	0.4055	0.2544	0.5230

Photometric and Electrical Measurements at 25°C

Intertek Sample No.	Base Orientation	Input Voltage (Vac)	Input Current (A)	Lamp Input Power (Watts)	Input Power Factor	Absolute Luminous Flux (Lumens)	Lumen Efficacy (Lumens Per Watt)
SL19 AREA LIGHT-TALL-1 Luminaire							
A250512-25-001	N/A	15.0	0.0941	0.8656	0.6159	17.1201	19.78

Zonal Lumen Summary and Percentages at 25°C

Zone	Lumens (lm)	% Luminaire (%)
SL19 AREA LIGHT-TALL-1 Luminaire		
0-30	5.293	30.9
0-40	8.550	49.9
0-60	14.36	83.9
0-90	17.11	99.9
0-180	17.12	100.0

Beam Angle

	Horizontal Spread (°)	Vertical Spread (°)
SL19 AREA LIGHT-TALL-1 Luminaire		
Beam (50%)	104.2	92.9
Beam Angle	98.6	

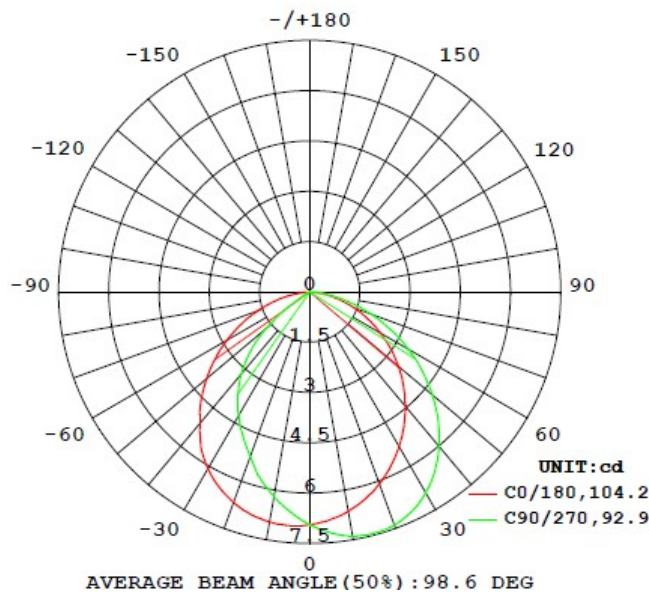
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RESULTS OF TESTS (cont'd)

Intensity (Candlepower) Summary at 25°C – Candelas

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-1 Luminaire

G \ C(°)	0	22.5	45	67.5	90
0	6.936	6.936	6.936	6.936	6.936
5	6.823	6.942	7.056	7.148	7.206
10	6.638	6.873	7.093	7.269	7.380
15	6.392	6.723	7.035	7.288	7.446
20	6.085	6.497	6.884	7.194	7.393
25	5.734	6.199	6.635	6.990	7.217
30	5.335	5.833	6.297	6.675	6.922
35	4.903	5.410	5.877	6.261	6.516
40	4.443	4.937	5.392	5.761	6.014
45	3.961	4.424	4.848	5.192	5.426
50	3.464	3.882	4.262	4.574	4.783
55	2.959	3.321	3.651	3.919	4.097
60	2.427	2.735	3.025	3.248	3.398
65	1.925	2.162	2.377	2.547	2.675
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90	0.002	0.004	0.007	0.011	0.013



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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-1 Luminaire

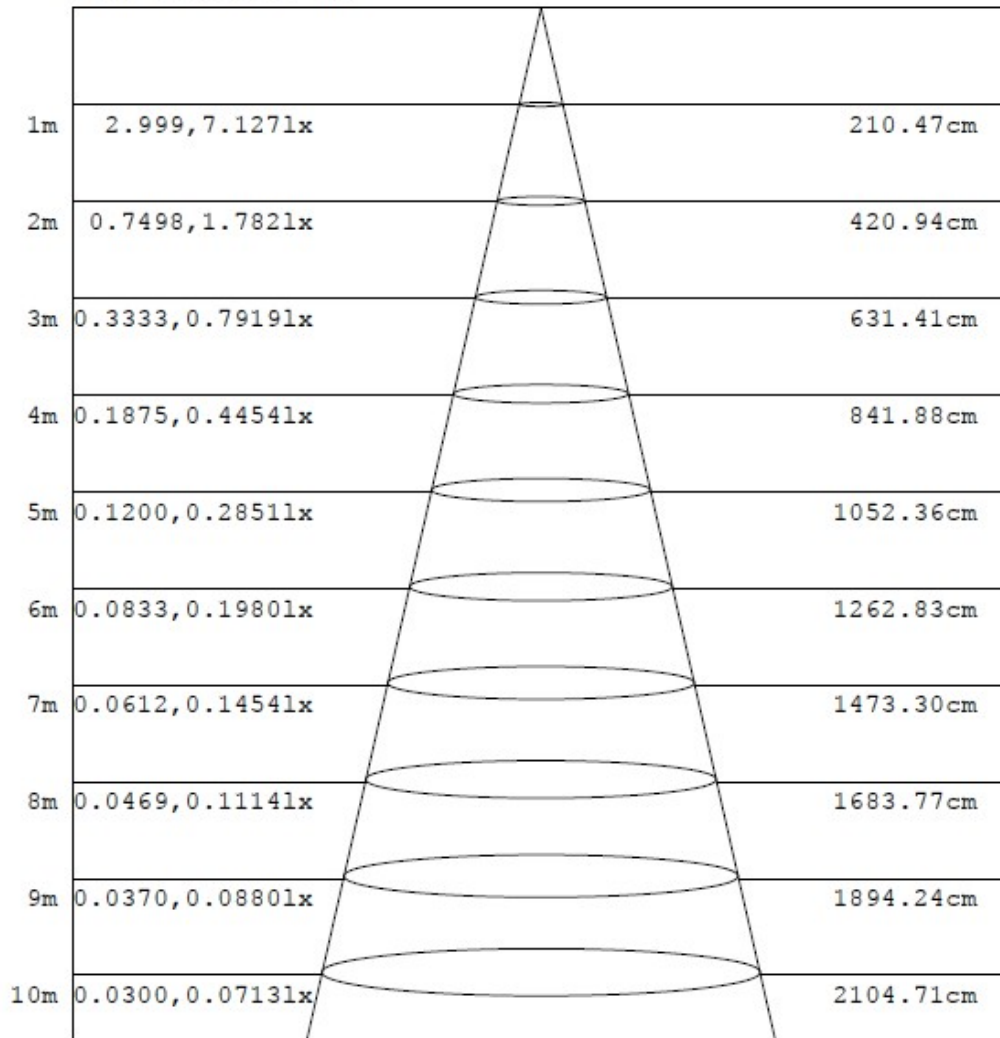
Illumination Plots

Model No.: SL19 AREA LIGHT-TALL-1 Luminaire

Mount Height: 10 m

Illuminance - Cone of Light

Flux out: 10.84 lm



Height Eavg, Emax Angle: 92.92deg Diameter

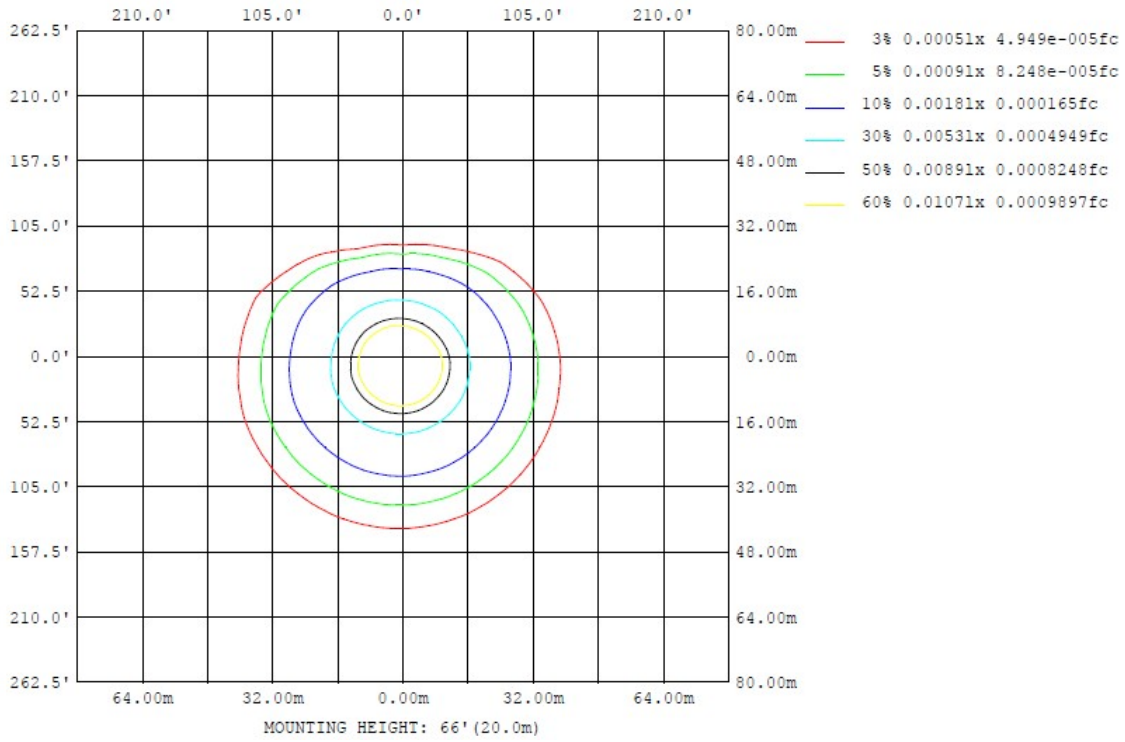
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-1 Luminaire

Model No.: SL19 AREA LIGHT-TALL-1 Luminaire
Mount Height: 20 m
Isoillumination Plot



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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-1 LUMINAIRE

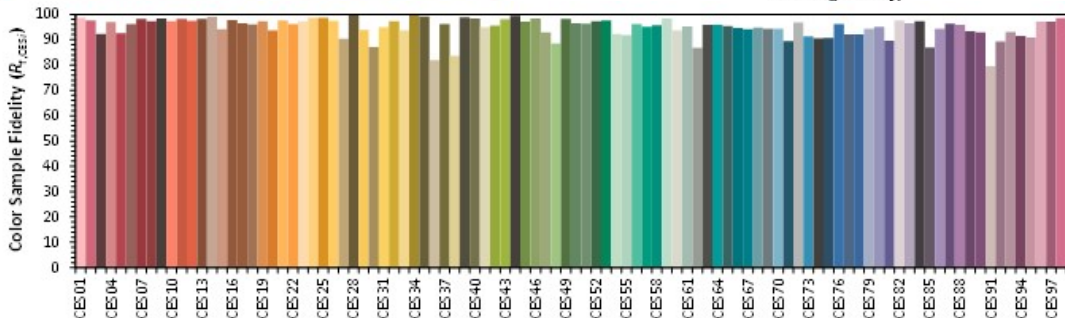
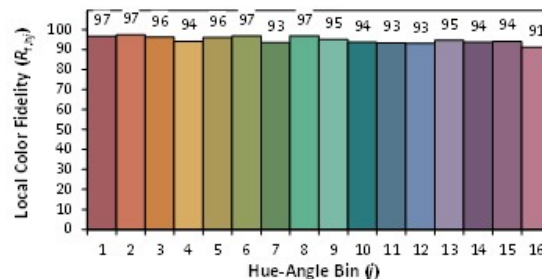
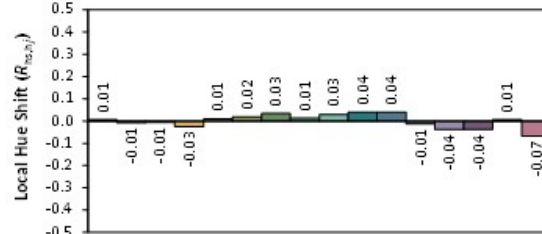
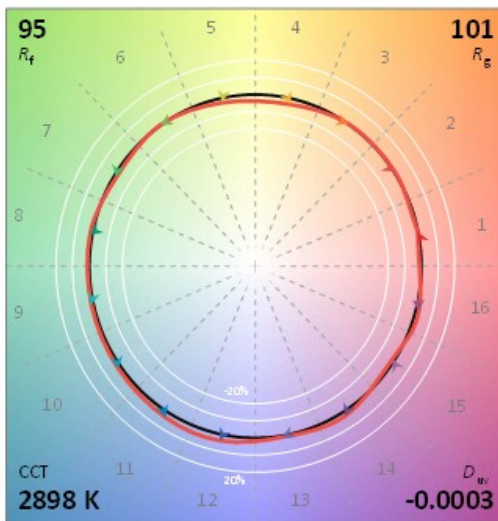
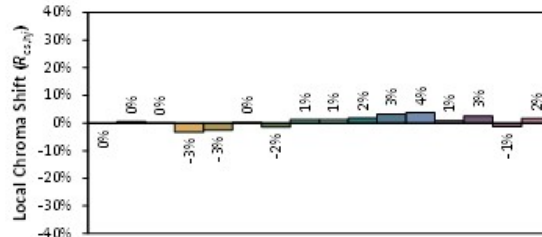
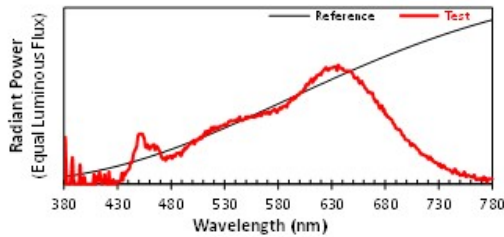
ANSI/IES TM-30-18 Color Rendition Report

Source: LED

Manufacturer: STERLING LIGHTING LLC

Date: 5/12/2025

Model: SL19 AREA LIGHT-TALL-1 LUMINAIRE



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4439
y 0.4055
u' 0.2544
v' 0.5230

CIE 13.3-1995
(CRI)
R_a 97
R_g 97

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SUMMARY

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Criteria	Result
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RESULTS OF TESTS

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Total operation burning time: 70 min

Stabilization time: 60 min

Photometric Measurements at 25°C

Intertek Sample No.	Base Orientation	Correlated Color Temperature (K)	CRI	CIE 31' Chromaticity Coordinate (x)	CIE 31' Chromaticity Coordinate (y)	CIE 76' Chromaticity Coordinate (u')	CIE 76' Chromaticity Coordinate (v')
SL19 AREA LIGHT-TALL-2 Luminaire							
A250512-25-002	N/A	2956	98	0.4412	0.4073	0.2519	0.5233

Photometric and Electrical Measurements at 25°C

Intertek Sample No.	Base Orientation	Input Voltage (Vac)	Input Current (A)	Lamp Input Power (Watts)	Input Power Factor	Absolute Luminous Flux (Lumens)	Lumen Efficacy (Lumens Per Watt)
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0-60	25.20	83.8
0-90	30.08	100.0
0-180	30.09	100.0

Beam Angle

	Horizontal Spread (°)	Vertical Spread (°)
SL19 AREA LIGHT-TALL-2 Luminaire		
Beam (50%)	106.3	97.6
Beam Angle	101.9	

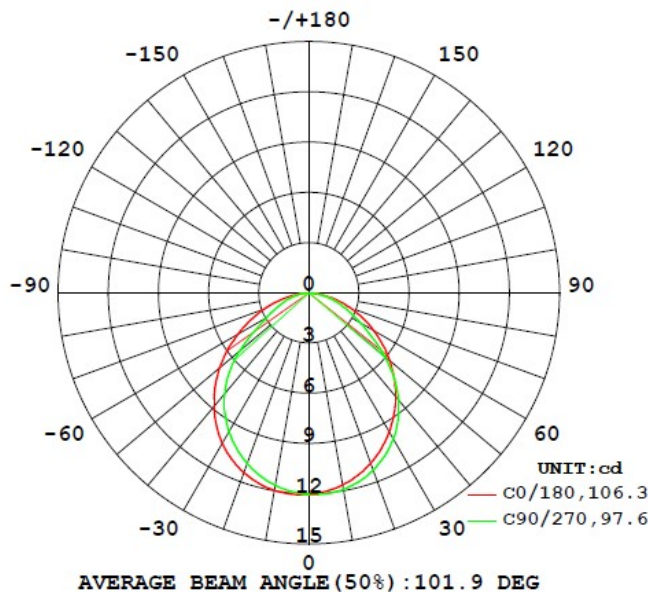
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RESULTS OF TESTS (cont'd)

Intensity (Candlepower) Summary at 25°C – Candelas

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-2 Luminaire

G \ C(°)	0	22.5	45	67.5	90
0	12.031	12.031	12.031	12.031	12.031
5	11.893	11.918	11.957	11.996	12.036
10	11.644	11.690	11.760	11.835	11.910
15	11.285	11.350	11.440	11.543	11.654
20	10.819	10.898	11.002	11.126	11.263
25	10.259	10.337	10.453	10.587	10.741
30	9.603	9.687	9.796	9.930	10.094
35	8.868	8.948	9.046	9.141	9.292
40	8.070	8.137	8.212	8.220	8.330
45	7.210	7.272	7.278	7.156	7.212
50	6.314	6.362	6.251	5.935	5.940
55	5.397	5.429	5.125	4.618	4.587
60	4.470	4.475	3.920	3.449	3.533
65	3.551	3.519	2.815	2.565	2.686
70	2.620	2.581	2.000	1.876	1.964
75	1.735	1.699	1.318	1.240	1.303
80	0.930	0.895	0.696	0.655	0.695
85	0.278	0.259	0.198	0.189	0.207
90	0.001	0.003	0.007	0.010	0.012



***** End of Page *****

RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-2 Luminaire

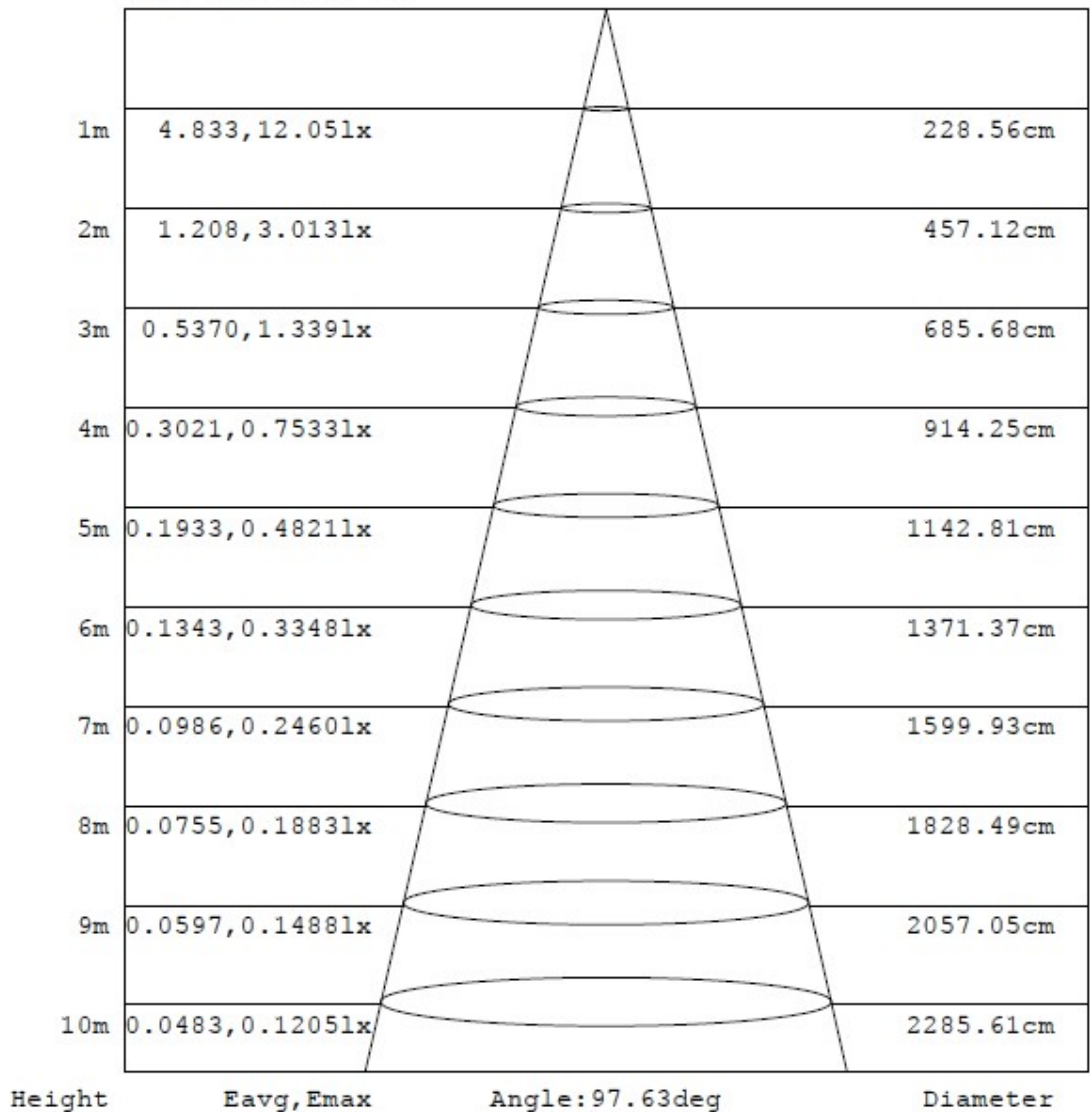
Illumination Plots

Model No.: SL19 AREA LIGHT-TALL-2 Luminaire

Mount Height: 10 m

Illuminance - Cone of Light

Flux out: 20.09 lm



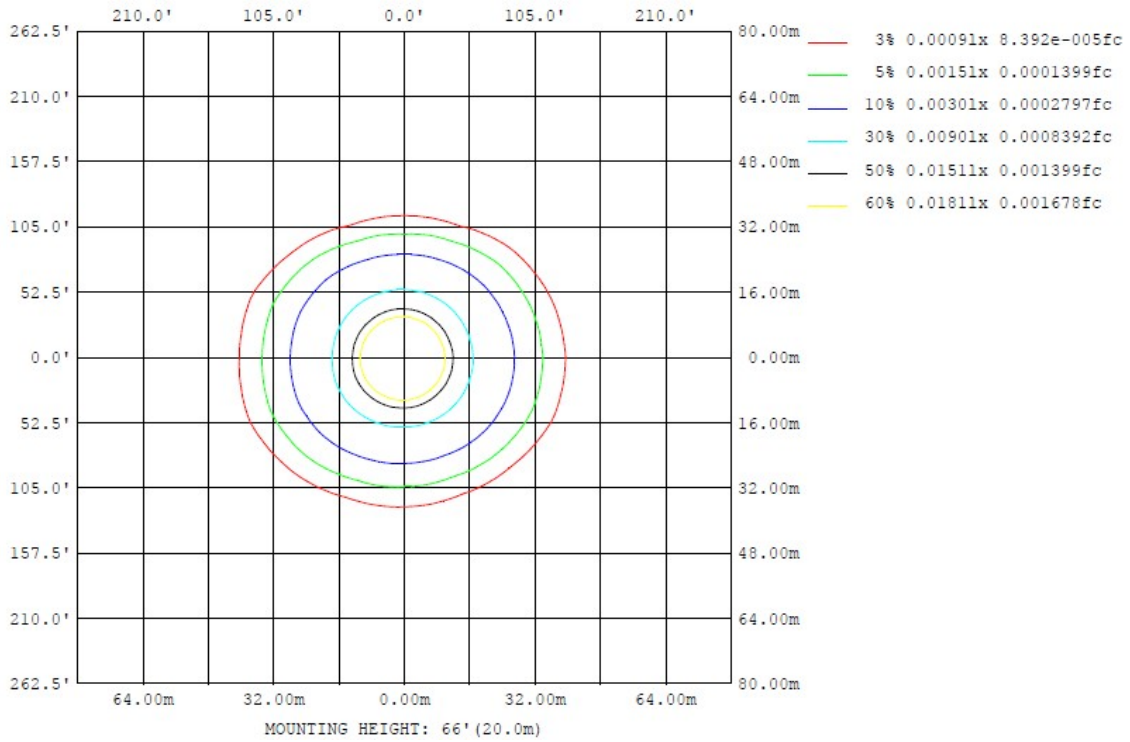
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

***** End of Page *****

RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-2 Luminaire

Model No.: SL19 AREA LIGHT-TALL-2 Luminaire
Mount Height: 20 m
Isoillumination Plot

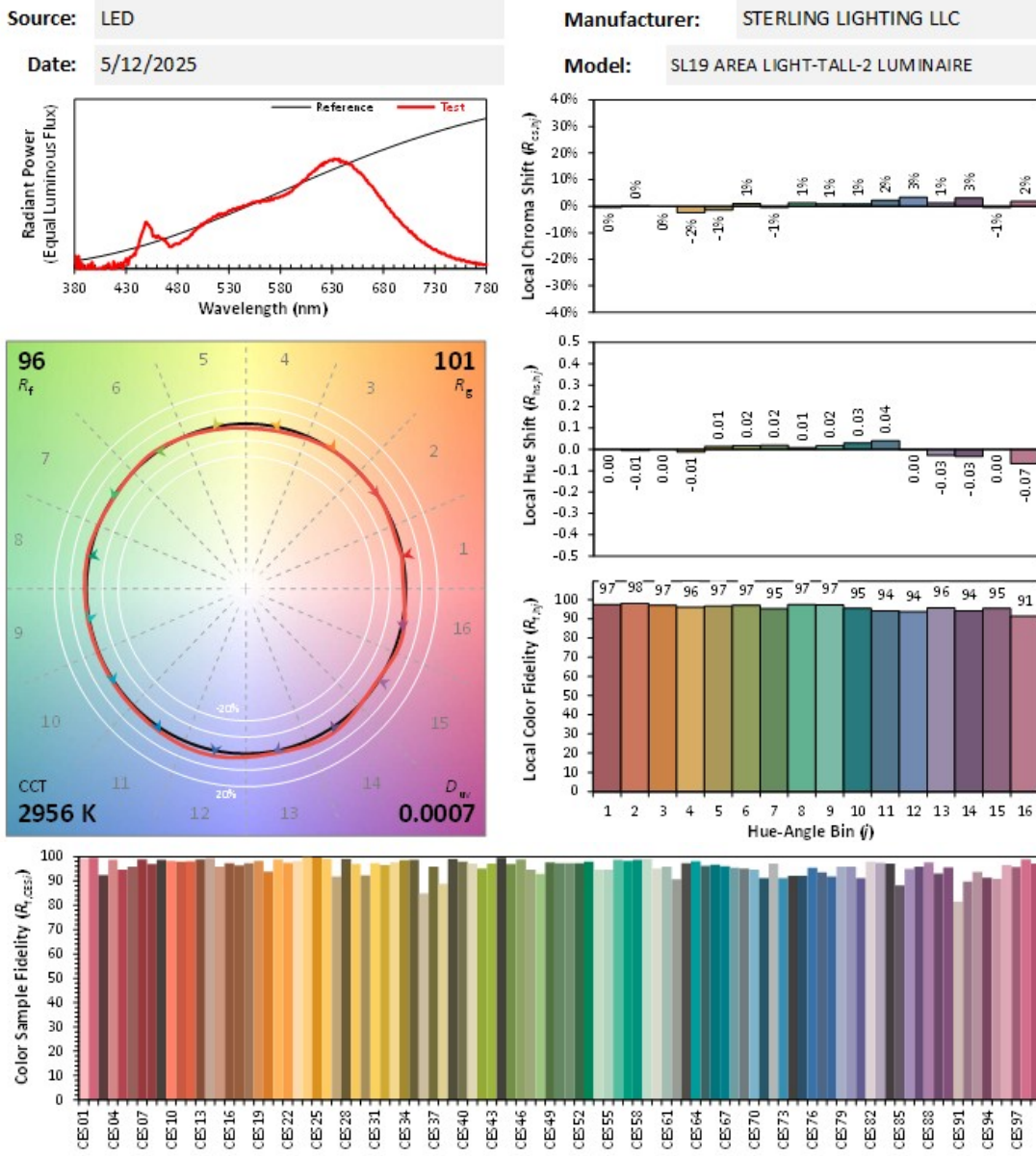


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RESULTS OF TESTS (cont'd)

Test Condition: 15V 60Hz for SL19 AREA LIGHT-TALL-2 LUMINAIRE

ANSI/IES TM-30-18 Color Rendition Report



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4412
y 0.4073
u' 0.2519
v' 0.5233

CIE 13.3-1995 (CRI)	
R_a	98
R_g	95

***** End of Page *****