

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P639511

Luminaire Tested: RL6LS9FSD2W1EWHDM -1200LM -3500K

Issue Date: 1/25/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2206549B001)  
Test Lab:  
Issue Date: 1/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: RL6LS9FSD2W1EWHDM -1200LM -3500K  
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE  
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

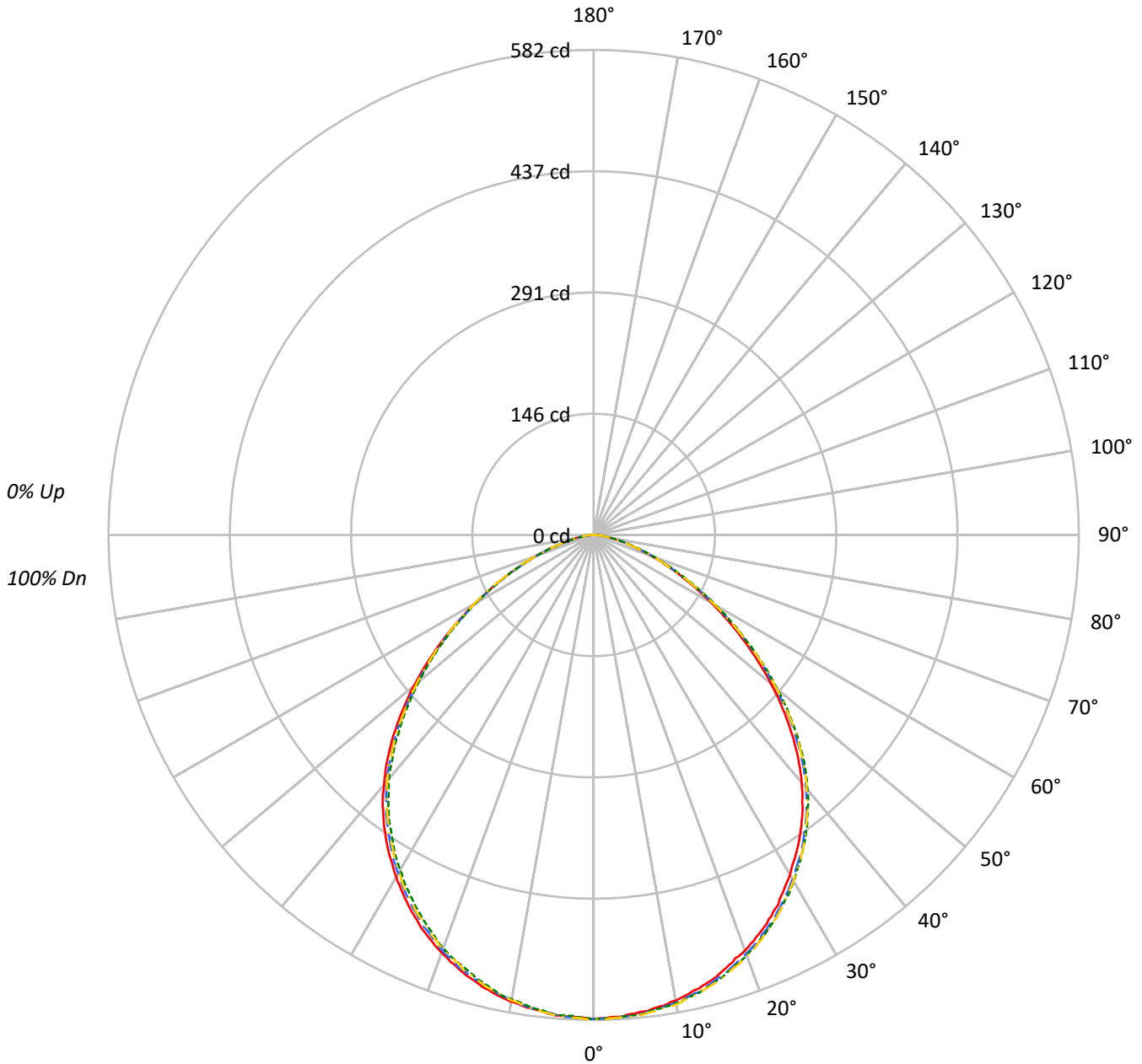
Lumens per Lamp: N/A  
Luminaire Lumens: 1345.0 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20										
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87								
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	74								
3	93	84	76	70	91	82	75	70	79	73	69	76	72	67	74	70	66	64								
4	86	75	67	61	84	73	66	60	71	65	59	69	63	59	67	62	58	56								
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49								
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43								
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39								
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35								
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31								
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	31851	31851	31851	31851
5°	31714	31840	31791	31752
10°	31596	31757	31663	31501
15°	31345	31629	31430	31164
20°	30966	31345	31129	30803
25°	30546	30933	30631	30086
30°	29821	30410	29998	29391
35°	28964	29627	29172	28496
40°	27773	28568	28002	27323
45°	26026	26894	26321	25507
50°	23675	24537	23982	23291
55°	20922	21648	21170	20769
60°	17926	18628	18058	17817
65°	14839	15410	14814	14788
70°	11861	12438	11637	11572
75°	8938	9553	8578	8261
80°	6661	7040	6061	5777
85°	5913	6227	4906	4466

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 112.5°

Vertical Angle: 45°

Luminance: 26925 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	4.1
10°-20°	156.1	11.6
20°-30°	232.8	17.3
30°-40°	271.6	20.2
40°-50°	260.2	19.3
50°-60°	198.3	14.7
60°-70°	115.5	8.6
70°-80°	46.0	3.4
80°-90°	9.7	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	443.7	33.0
0°-40°	715.3	53.2
0°-60°	1173.8	87.3
0°-90°	1345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	581	581	581	581	581	
5°	576	579	578	577	576	55
15°	552	557	554	549	552	155
25°	505	511	506	497	505	232
35°	433	443	436	426	433	270
45°	336	347	340	329	336	258
55°	219	226	222	217	219	196
65°	114	119	114	114	114	114
75°	42	45	40	39	42	46
85°	9	10	8	7	9	10
90°	0	1	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
0.5°	580.2	581.0	581.0	581.1	580.7	581.0	581.4	580.5	580.3	580.9	580.9
1°	580.1	580.8	580.5	580.7	580.7	580.9	581.9	581.3	579.8	580.8	580.4
1.5°	580.1	580.7	580.2	581.0	580.5	580.7	581.4	581.6	579.2	580.5	580.1
2°	579.1	580.4	579.9	581.0	580.4	579.7	580.3	581.4	579.2	580.7	580.5
2.5°	579.0	581.0	580.1	580.6	580.2	580.2	580.3	580.3	579.0	580.2	580.1
3°	579.1	580.4	580.0	581.2	579.6	580.5	580.2	580.2	578.9	579.7	579.1
3.5°	578.7	579.8	579.4	581.2	578.9	580.5	580.2	580.5	578.9	580.0	579.4
4°	577.1	579.2	579.3	580.5	578.9	580.7	580.0	579.0	578.2	580.7	577.8
4.5°	576.5	578.6	578.6	579.2	578.6	580.4	579.8	578.4	578.7	579.8	577.8
5°	576.3	578.8	578.0	579.1	578.6	579.6	579.3	578.4	577.7	578.0	576.5
5.5°	575.1	578.7	578.0	578.6	578.7	578.1	579.1	578.2	576.8	577.7	575.6
6°	575.1	577.6	577.5	577.8	578.1	577.8	578.2	577.3	575.4	577.5	575.4
6.5°	575.0	575.8	575.7	577.4	576.3	576.8	577.2	576.2	574.5	575.6	575.0
7°	573.4	575.4	575.4	576.5	574.8	576.3	576.6	575.6	573.9	575.4	574.1
7.5°	572.2	574.0	574.4	576.0	574.0	574.7	576.5	575.2	573.0	574.4	573.3
8°	571.4	573.1	573.4	574.6	574.0	573.8	575.0	574.0	572.9	572.8	571.6
8.5°	571.0	572.3	572.3	574.4	572.7	573.8	574.1	573.7	571.8	572.0	570.6
9°	569.5	572.0	571.8	572.6	572.5	572.8	573.2	572.5	570.4	571.0	569.7
9.5°	567.8	570.9	570.8	572.3	571.6	571.5	573.0	571.8	569.4	570.8	568.7
10°	567.6	569.3	570.0	571.1	570.5	570.6	572.1	570.2	568.8	569.1	568.0
10.5°	565.7	568.8	568.5	569.5	570.3	570.2	570.9	569.0	567.9	568.6	566.0
11°	564.4	567.0	567.5	569.2	568.0	567.9	568.7	567.9	566.4	565.9	564.3
11.5°	563.1	565.4	565.7	567.0	566.9	566.7	567.9	566.0	565.1	565.5	563.2
12°	561.2	564.4	564.4	565.7	565.8	566.7	567.1	564.9	563.7	563.7	561.9
12.5°	559.5	562.9	563.4	564.6	564.4	565.8	564.9	563.9	562.4	562.7	560.2
13°	559.1	561.3	563.3	562.8	563.7	564.1	563.8	561.9	560.5	561.9	558.8
13.5°	556.9	558.9	560.8	561.9	561.9	562.6	562.0	561.2	559.4	559.6	556.5
14°	555.5	557.6	558.7	559.8	560.5	560.9	560.7	559.4	557.9	557.0	555.0
14.5°	553.7	557.0	556.9	558.8	558.3	560.2	559.2	557.9	555.6	555.8	552.9
15°	552.3	555.1	555.2	557.4	557.3	557.6	557.4	555.8	553.8	553.7	551.9
15.5°	550.3	552.1	552.9	555.8	554.9	555.6	556.1	553.9	552.1	552.0	550.2
16°	547.9	550.3	551.2	553.5	553.6	554.0	554.4	552.8	550.7	549.5	548.2
16.5°	545.6	549.0	549.5	551.2	551.5	551.6	552.5	550.8	548.5	548.0	545.7
17°	543.7	546.1	548.2	549.8	548.7	550.4	549.7	548.2	546.5	545.8	544.5
17.5°	541.1	545.4	545.6	546.9	547.7	548.3	548.2	546.5	544.4	543.4	542.6
18°	539.3	542.8	543.5	544.5	545.5	545.6	545.9	545.9	541.8	542.1	539.8
18.5°	535.8	539.4	541.3	544.2	542.9	544.3	544.5	542.7	540.6	540.1	537.4
19°	534.5	537.7	539.0	541.4	541.4	542.3	542.4	540.3	537.9	537.1	535.5
19.5°	532.7	535.6	537.4	538.1	539.2	539.6	539.7	538.3	535.5	534.6	533.1
20°	530.8	534.4	535.0	536.4	537.3	537.3	537.4	535.4	533.6	533.3	530.3
20.5°	528.6	531.5	532.8	534.2	534.3	535.0	535.8	533.0	531.0	529.9	528.5
21°	525.6	529.6	530.3	531.6	532.5	532.7	533.9	531.1	528.9	527.9	525.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	518.2	521.8	522.7	525.5	524.5	525.8	525.7	523.4	521.0	520.0	516.7
23°	515.8	518.9	519.7	521.9	522.9	523.7	522.6	520.9	518.1	516.5	514.5
23.5°	513.2	516.3	517.8	519.4	519.5	521.0	520.0	518.3	515.9	513.8	512.3
24°	510.7	513.2	514.4	516.0	517.1	518.3	517.3	515.7	512.8	511.5	509.1
24.5°	506.7	510.1	512.1	513.6	514.0	515.4	514.7	512.5	509.2	509.2	505.6
25°	505.0	507.3	510.1	510.8	511.4	512.0	511.7	509.7	506.4	505.6	502.3
25.5°	501.0	504.5	506.6	508.3	508.9	508.7	508.8	506.4	503.7	501.8	499.1
26°	498.3	501.4	503.1	505.1	506.0	505.9	505.8	503.0	500.7	499.1	496.7
26.5°	496.3	498.1	500.4	501.8	502.8	503.6	502.3	500.0	497.5	496.4	493.0
27°	491.2	495.6	496.9	499.1	499.4	500.3	499.2	497.7	494.0	492.8	489.8
27.5°	487.9	492.7	493.6	495.7	495.8	496.6	496.5	494.1	490.9	489.7	486.7
28°	484.5	488.6	490.2	492.6	492.7	493.2	492.4	490.6	487.5	486.6	483.4
28.5°	481.0	485.0	487.5	489.0	490.7	489.6	489.4	487.1	484.3	483.0	479.8
29°	477.6	481.5	484.1	485.3	487.0	486.5	486.0	483.9	480.5	479.5	476.4
29.5°	474.6	478.3	480.4	482.4	482.9	482.9	482.5	480.4	477.6	475.4	472.9
30°	471.1	475.6	477.0	479.0	480.4	479.6	479.5	476.8	473.9	471.7	468.6
30.5°	466.9	472.0	473.8	475.5	476.6	476.3	475.4	473.3	470.2	468.7	465.8
31°	462.7	467.5	470.1	472.0	472.2	472.8	472.0	469.8	466.6	465.1	462.0
31.5°	459.4	464.7	466.4	468.4	468.9	469.0	468.8	466.2	462.8	461.8	458.7
32°	456.0	461.0	463.0	464.5	465.4	466.3	465.4	462.5	459.3	458.5	454.6
32.5°	452.4	457.0	459.3	461.0	462.0	461.8	461.8	458.8	456.1	453.7	450.7
33°	448.9	453.0	455.8	457.1	458.2	458.2	457.6	454.8	452.2	450.0	447.0
33.5°	445.0	449.6	452.1	453.5	454.6	454.4	454.2	450.9	448.3	446.0	442.6
34°	441.3	445.7	448.5	450.2	450.4	450.3	450.3	447.5	444.6	442.1	438.3
34.5°	437.1	441.0	444.5	446.4	446.9	446.5	446.4	444.1	440.2	437.9	433.9
35°	432.8	437.7	440.1	442.8	442.7	443.0	441.7	439.9	435.9	433.9	430.1
35.5°	429.1	433.5	436.1	438.0	438.7	439.2	437.7	436.8	432.3	430.3	426.4
36°	424.3	429.2	432.2	433.7	435.1	435.6	433.2	431.7	428.1	426.1	422.0
36.5°	420.7	425.3	427.8	429.9	430.9	431.2	429.2	426.7	423.7	421.9	418.3
37°	416.4	420.4	424.0	425.9	425.3	426.7	425.0	423.2	419.4	417.5	413.7
37.5°	411.9	416.7	419.3	420.6	421.6	421.3	420.5	418.5	415.2	412.7	409.2
38°	406.6	411.7	414.9	416.3	417.1	417.6	417.8	413.7	411.3	408.2	404.3
38.5°	402.4	407.5	409.6	411.4	413.4	412.5	412.8	409.0	406.6	403.3	400.0
39°	398.1	402.6	405.6	407.0	408.8	409.2	407.4	405.1	402.2	399.6	395.3
39.5°	393.0	398.3	401.0	402.9	404.5	404.6	402.4	400.5	396.3	394.2	390.4
40°	388.1	394.5	396.6	398.5	399.2	399.2	397.5	395.8	391.3	390.1	385.9
40.5°	383.8	388.6	391.9	393.4	393.8	394.3	393.3	389.7	386.7	385.9	381.1
41°	378.5	383.2	386.4	388.7	389.7	389.9	388.4	386.0	381.4	380.0	376.3
41.5°	373.5	377.9	381.3	383.6	384.7	384.9	383.2	381.6	377.2	374.3	370.7
42°	368.2	373.2	376.6	378.3	379.7	378.6	378.0	375.3	371.9	369.6	365.7
42.5°	362.9	367.6	371.2	372.5	375.3	374.3	372.6	370.2	366.4	364.7	360.3
43°	357.8	362.3	365.4	367.4	369.6	368.7	367.6	364.7	361.2	359.1	355.2
43.5°	352.3	356.9	360.1	362.4	364.0	363.6	361.6	359.1	356.0	353.7	349.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	335.7	340.3	343.9	345.1	346.9	347.3	345.2	342.9	339.5	336.9	333.7
45.5°	330.1	334.7	337.4	339.8	341.7	341.5	340.3	337.2	333.6	331.2	328.3
46°	324.5	328.7	332.3	334.4	335.4	335.4	334.1	331.3	328.0	325.8	322.6
46.5°	318.5	322.7	326.5	328.6	330.3	329.5	328.2	325.6	322.1	319.9	316.6
47°	313.5	317.0	320.3	321.9	323.7	324.0	321.9	319.6	316.8	314.2	311.1
47.5°	307.0	311.5	314.6	315.7	318.0	317.9	316.2	314.1	310.1	308.8	304.8
48°	301.4	305.3	308.8	309.7	312.5	311.7	310.4	308.4	304.8	303.0	299.3
48.5°	295.8	299.4	302.4	304.2	305.9	305.7	304.9	301.9	299.0	297.2	293.4
49°	289.5	293.3	296.4	298.1	299.9	299.4	298.0	296.1	293.4	291.3	287.9
49.5°	283.9	287.3	290.7	292.6	294.0	293.9	292.4	290.2	287.4	285.2	281.9
50°	277.6	281.1	284.4	285.7	287.7	288.2	286.0	283.9	281.2	279.2	276.3
50.5°	272.1	275.8	278.2	280.2	281.4	281.7	279.9	277.7	275.1	273.3	270.5
51°	266.0	270.0	272.0	274.2	275.8	274.7	274.2	272.0	269.4	268.1	265.1
51.5°	260.2	263.9	266.5	267.9	270.2	269.3	268.3	266.1	263.6	261.2	258.8
52°	253.6	257.5	260.2	262.3	264.1	263.2	261.8	260.2	257.9	255.9	252.8
52.5°	248.0	251.0	254.0	255.8	257.3	257.0	256.0	254.3	251.6	250.0	247.1
53°	242.3	245.2	247.9	249.8	250.8	251.7	249.7	247.7	245.3	243.7	241.6
53.5°	236.3	239.4	242.3	244.1	245.0	244.9	243.8	242.0	239.5	238.1	235.9
54°	230.5	233.3	236.7	237.8	238.8	238.7	237.5	236.3	233.8	232.0	229.9
54.5°	225.1	227.7	230.3	232.1	232.8	232.9	231.7	230.4	227.8	226.2	224.1
55°	218.9	221.6	224.3	226.1	226.5	226.7	225.7	224.1	221.5	220.1	218.2
55.5°	213.1	215.8	218.5	220.1	220.8	220.9	219.5	218.1	215.8	214.2	212.8
56°	207.5	210.0	212.8	214.4	215.1	214.8	213.4	212.4	209.9	208.5	207.1
56.5°	201.9	204.4	207.0	208.6	209.4	209.0	207.6	206.3	204.5	203.2	201.4
57°	196.2	198.5	201.4	202.5	203.6	203.0	202.3	200.4	198.4	197.1	196.0
57.5°	190.5	193.1	196.0	196.9	197.5	197.3	196.1	194.5	192.7	191.5	190.2
58°	184.8	187.6	190.3	191.5	192.1	191.7	190.5	189.0	187.0	186.0	184.5
58.5°	179.5	181.5	184.3	185.7	186.9	186.3	184.6	183.0	181.1	180.3	179.0
59°	174.0	176.1	178.9	179.7	181.1	180.6	179.0	177.7	175.7	174.5	173.5
59.5°	168.7	170.5	173.1	174.5	174.9	174.4	173.8	171.8	169.9	169.2	168.3
60°	163.5	165.1	167.8	169.3	169.9	168.9	167.9	166.6	164.7	164.0	163.1
60.5°	158.2	159.9	162.6	163.7	164.7	164.0	162.6	161.0	159.4	158.6	157.7
61°	152.9	154.6	157.4	158.6	159.4	158.4	156.9	155.4	153.8	153.1	152.4
61.5°	148.0	149.4	152.0	153.2	153.9	153.0	151.6	150.1	148.6	147.7	146.9
62°	142.8	144.3	146.7	147.8	148.9	147.6	146.3	144.8	143.3	142.6	142.0
62.5°	137.7	139.5	141.6	142.7	143.6	142.5	141.2	140.2	138.3	137.5	137.1
63°	132.9	134.5	136.6	137.7	138.5	137.2	136.2	134.5	133.3	132.7	131.9
63.5°	128.0	129.7	131.7	133.0	133.2	132.5	131.0	129.6	128.5	127.9	127.4
64°	123.2	124.9	127.0	128.2	128.5	127.7	126.3	124.6	123.5	123.0	122.8
64.5°	118.7	120.2	122.3	123.3	123.8	122.8	121.4	119.9	118.6	118.3	117.7
65°	114.4	115.8	117.5	118.5	118.8	118.0	116.5	115.5	114.2	114.0	113.1
65.5°	109.8	111.1	113.2	114.1	114.4	113.5	112.2	110.8	109.6	109.0	108.9
66°	105.4	106.9	108.7	109.5	109.9	108.8	107.4	106.0	104.9	104.6	104.1





TEST NUMBER: P639511

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	93.1	94.4	96.2	97.1	96.5	95.8	94.5	93.2	92.0	91.6	91.4
68°	89.3	90.4	92.0	93.0	92.6	91.7	90.4	88.9	87.9	87.7	87.4
68.5°	85.4	86.7	88.0	89.1	88.6	87.7	86.2	84.8	83.7	83.7	83.2
69°	81.4	82.8	84.2	85.1	84.8	83.9	82.4	81.1	80.0	79.6	79.2
69.5°	77.6	79.0	80.4	81.2	81.3	80.1	78.7	77.2	76.1	75.8	75.5
70°	74.0	75.3	76.9	77.4	77.6	76.6	75.1	73.7	72.6	72.2	72.0
70.5°	70.5	71.7	73.1	73.8	74.0	73.0	71.7	70.2	69.1	68.7	68.4
71°	66.9	68.3	69.4	70.3	70.5	69.5	68.1	66.7	65.6	65.2	64.9
71.5°	63.4	64.8	65.9	66.6	67.0	65.9	64.5	63.5	62.1	61.6	61.5
72°	60.2	61.3	62.5	63.2	63.8	62.7	61.2	60.0	58.8	58.4	58.2
72.5°	56.7	57.8	59.2	59.7	60.3	59.5	58.0	56.6	55.7	55.1	54.8
73°	53.5	54.8	55.8	56.3	57.1	56.1	54.7	53.4	52.5	51.9	51.6
73.5°	50.5	51.8	52.7	53.2	54.0	53.0	51.6	50.3	49.2	48.8	48.4
74°	47.7	48.8	49.8	50.1	51.1	49.9	48.5	47.3	46.2	45.6	45.2
74.5°	44.8	46.0	46.8	47.2	48.0	46.8	45.6	44.4	43.3	42.8	42.5
75°	42.2	43.3	44.1	44.3	45.1	44.1	42.8	41.6	40.5	39.9	39.8
75.5°	39.4	40.5	41.5	41.6	42.3	41.5	40.0	39.0	37.9	37.4	37.2
76°	37.1	38.1	38.7	38.9	39.6	38.7	37.5	36.5	35.4	34.9	34.6
76.5°	34.7	35.7	36.4	36.5	37.2	36.3	35.0	33.8	32.8	32.3	32.0
77°	32.4	33.4	34.0	34.2	34.7	33.8	32.6	31.5	30.4	30.0	29.7
77.5°	30.2	31.1	31.8	31.9	32.4	31.5	30.3	29.3	28.3	27.7	27.5
78°	28.1	28.9	29.6	29.7	30.1	29.3	28.3	27.2	26.3	25.6	25.3
78.5°	26.1	27.1	27.7	27.7	28.0	27.1	26.2	25.2	24.2	23.8	23.5
79°	24.4	25.2	25.6	25.6	25.9	25.2	24.1	23.6	22.6	22.0	21.8
79.5°	22.8	23.6	24.1	24.1	23.9	23.5	22.7	21.7	20.8	20.3	20.0
80°	21.1	21.9	22.3	22.3	22.3	21.8	20.9	20.0	19.2	18.8	18.4
80.5°	19.6	20.3	20.8	20.7	20.7	20.1	19.3	18.6	17.8	17.3	16.9
81°	18.2	18.9	19.2	19.2	19.1	18.6	17.8	17.1	16.4	15.9	15.5
81.5°	16.8	17.4	17.8	17.8	17.5	17.1	16.3	15.7	15.1	14.7	14.4
82°	15.6	16.1	16.5	16.4	16.2	15.7	15.1	14.5	14.0	13.6	13.3
82.5°	14.5	15.0	15.3	15.2	14.9	14.5	14.1	13.4	12.9	12.6	12.2
83°	13.4	13.9	14.3	14.3	13.9	13.4	13.0	12.6	11.9	11.6	11.1
83.5°	12.4	12.9	13.2	13.2	12.8	12.5	12.0	11.4	10.9	10.4	10.0
84°	11.5	11.9	12.3	12.3	11.9	11.5	11.0	10.4	9.8	9.4	9.0
84.5°	10.4	10.9	11.3	11.3	10.9	10.6	10.0	9.5	8.8	8.4	8.0
85°	9.4	9.9	10.3	10.3	9.9	9.6	8.9	8.5	7.8	7.4	6.8
85.5°	8.3	8.9	9.3	9.3	8.9	8.6	8.1	7.4	6.7	6.4	5.9
86°	7.3	7.9	8.3	8.3	7.9	7.6	7.1	6.4	5.9	5.3	5.2
86.5°	6.3	6.9	7.3	7.4	7.0	6.6	6.2	5.5	5.2	4.4	3.9
87°	5.3	6.0	6.3	6.4	6.2	5.8	5.2	4.5	3.9	3.4	2.9
87.5°	4.4	5.1	5.4	5.5	5.2	5.1	4.2	3.7	3.0	2.4	2.1
88°	3.4	4.0	4.5	4.6	4.2	3.9	3.3	2.6	2.0	1.6	1.1
88.5°	2.6	3.2	3.5	3.6	3.3	2.9	2.4	1.8	1.2	0.6	0.5



TEST NUMBER: P639511

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.2	0.6	1.0	1.0	0.7	0.6	0.1	0.0	0.0	0.0	0.0

TEST NUMBER: P639511

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	581.0	581.0	581.0	581.0	581.0	581.0
0.5°	580.5	580.4	581.1	581.7	580.3	580.2
1°	580.1	579.7	580.0	581.0	580.5	580.1
1.5°	579.9	579.4	579.7	580.2	581.3	580.1
2°	579.8	578.8	579.7	580.2	581.3	579.1
2.5°	578.9	577.8	579.3	580.4	580.0	579.0
3°	578.9	577.8	578.6	579.8	579.4	579.1
3.5°	578.8	577.4	578.6	579.4	579.1	578.7
4°	578.5	577.8	578.0	578.6	578.8	577.1
4.5°	578.1	577.7	578.2	578.3	577.9	576.5
5°	578.4	577.0	576.2	577.6	576.9	576.3
5.5°	577.8	575.5	576.1	576.2	575.6	575.1
6°	575.0	574.1	574.6	576.0	575.6	575.1
6.5°	573.8	573.2	574.5	574.8	573.7	575.0
7°	573.1	573.0	573.6	573.8	573.4	573.4
7.5°	572.4	571.5	571.1	573.3	572.7	572.2
8°	572.2	570.8	570.4	571.9	571.9	571.4
8.5°	570.2	569.1	569.5	570.8	570.9	571.0
9°	569.3	568.0	567.5	569.0	569.6	569.5
9.5°	568.3	566.6	566.9	568.0	568.8	567.8
10°	567.0	565.9	566.7	567.3	567.4	567.6
10.5°	565.3	564.7	564.8	565.5	566.4	565.7
11°	565.2	564.4	564.3	564.3	563.7	564.4
11.5°	563.2	563.0	563.0	562.5	562.8	563.1
12°	562.5	560.6	559.6	560.9	561.6	561.2
12.5°	560.0	558.8	557.9	559.6	559.5	559.5
13°	557.5	556.8	557.0	558.4	558.2	559.1
13.5°	556.4	554.9	556.0	556.8	556.6	556.9
14°	555.4	552.8	554.0	554.8	555.0	555.5
14.5°	553.3	551.6	552.0	552.7	552.3	553.7
15°	551.3	549.1	550.7	550.1	551.8	552.3
15.5°	548.8	546.9	547.6	548.3	549.5	550.3
16°	546.7	544.7	545.7	545.7	547.1	547.9
16.5°	545.1	542.6	543.6	545.7	545.0	545.6
17°	542.9	540.6	541.7	542.9	543.9	543.7
17.5°	540.8	539.0	540.3	539.2	540.9	541.1
18°	539.2	536.3	537.5	537.6	538.0	539.3
18.5°	535.8	535.0	534.0	534.9	536.4	535.8
19°	533.9	532.9	531.8	534.1	534.1	534.5
19.5°	531.5	530.1	529.4	530.7	532.2	532.7
20°	529.0	528.0	527.0	528.5	529.6	530.8
20.5°	525.7	525.3	524.7	526.8	527.6	528.6
21°	523.5	522.3	522.4	523.2	524.1	525.6

TEST NUMBER: P639511

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	516.1	512.8	513.4	515.5	515.6	518.2
23°	512.7	510.3	510.3	512.8	513.9	515.8
23.5°	510.4	507.2	508.0	509.6	510.8	513.2
24°	507.0	504.6	505.0	505.9	507.5	510.7
24.5°	504.1	501.0	502.0	503.6	504.9	506.7
25°	500.9	497.4	498.8	501.2	502.3	505.0
25.5°	497.4	495.0	495.3	497.7	499.0	501.0
26°	494.7	491.7	492.6	494.3	496.5	498.3
26.5°	491.5	488.1	489.7	491.0	492.6	496.3
27°	488.0	485.1	485.8	487.9	489.4	491.2
27.5°	484.5	481.6	482.3	484.9	486.5	487.9
28°	481.4	479.2	479.2	482.7	482.8	484.5
28.5°	478.1	475.4	475.9	478.4	479.2	481.0
29°	474.2	471.7	472.4	474.9	475.9	477.6
29.5°	470.3	467.3	468.8	470.6	472.4	474.6
30°	466.9	464.3	464.7	467.5	469.1	471.1
30.5°	463.3	460.8	461.3	464.1	465.2	466.9
31°	459.8	457.5	457.5	460.6	461.5	462.7
31.5°	456.4	453.8	453.7	456.2	457.9	459.4
32°	451.7	450.0	449.7	452.3	454.4	456.0
32.5°	447.7	445.9	445.8	448.1	450.7	452.4
33°	443.8	441.0	442.2	444.6	447.0	448.9
33.5°	440.0	437.8	438.5	440.8	442.9	445.0
34°	436.3	433.2	434.2	436.5	439.1	441.3
34.5°	432.4	429.4	430.3	433.0	435.1	437.1
35°	428.7	425.8	426.3	428.8	431.3	432.8
35.5°	424.4	422.4	422.4	424.5	426.5	429.1
36°	419.5	418.0	418.6	420.8	422.9	424.3
36.5°	415.7	413.6	413.7	416.2	418.0	420.7
37°	412.0	409.5	408.9	412.1	414.4	416.4
37.5°	407.5	404.6	404.8	407.2	410.1	411.9
38°	402.5	399.8	400.8	402.9	405.5	406.6
38.5°	398.1	395.1	396.7	398.7	400.5	402.4
39°	393.5	390.7	391.5	394.0	395.9	398.1
39.5°	388.1	386.7	387.0	389.8	391.1	393.0
40°	383.6	381.8	381.8	384.9	386.6	388.1
40.5°	378.9	377.1	377.8	380.0	381.3	383.8
41°	373.5	371.8	372.8	375.2	376.6	378.5
41.5°	369.1	365.8	368.0	370.4	371.8	373.5
42°	364.2	360.9	363.3	364.8	366.6	368.2
42.5°	358.3	356.2	357.4	359.4	362.0	362.9
43°	353.2	351.1	351.6	354.4	356.4	357.8
43.5°	347.6	346.1	346.1	349.0	351.1	352.3



TEST NUMBER: P639511

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	331.9	329.0	330.2	332.8	334.7	335.7
45.5°	326.2	323.7	324.7	327.4	328.6	330.1
46°	320.6	318.3	319.3	322.6	323.9	324.5
46.5°	314.6	312.9	314.4	316.4	317.7	318.5
47°	309.3	307.3	308.2	310.7	312.3	313.5
47.5°	303.5	301.6	303.1	305.4	306.1	307.0
48°	298.0	296.2	296.9	300.0	300.8	301.4
48.5°	292.0	290.4	291.8	293.5	294.8	295.8
49°	285.8	284.5	286.3	288.4	289.1	289.5
49.5°	280.2	279.2	280.5	282.7	282.9	283.9
50°	275.1	273.1	275.6	277.0	276.9	277.6
50.5°	268.8	267.7	269.4	271.3	271.9	272.1
51°	263.0	262.1	264.1	265.6	266.2	266.0
51.5°	257.2	256.8	257.7	260.0	260.2	260.2
52°	251.7	250.8	252.2	254.2	253.8	253.6
52.5°	245.8	245.3	246.9	248.3	248.1	248.0
53°	240.5	239.5	241.7	243.1	242.7	242.3
53.5°	234.7	233.8	235.6	237.0	236.9	236.3
54°	229.0	228.4	229.7	231.8	230.7	230.5
54.5°	223.4	222.4	223.6	226.0	225.3	225.1
55°	217.9	217.3	218.6	220.0	219.3	218.9
55.5°	212.2	211.4	213.0	214.0	213.8	213.1
56°	206.8	205.9	207.0	208.7	208.0	207.5
56.5°	201.2	200.0	201.4	203.4	202.8	201.9
57°	195.8	194.8	196.4	197.7	197.1	196.2
57.5°	190.1	188.9	191.0	191.9	191.2	190.5
58°	184.4	183.6	185.3	186.4	185.8	184.8
58.5°	179.2	178.3	179.8	181.1	180.1	179.5
59°	173.8	173.2	174.2	175.8	174.7	174.0
59.5°	168.3	167.6	169.3	170.3	169.5	168.7
60°	163.2	162.5	163.8	165.3	164.1	163.5
60.5°	158.2	157.2	158.6	159.9	159.0	158.2
61°	153.1	152.3	153.6	154.6	153.9	152.9
61.5°	147.5	147.4	148.6	149.5	148.7	148.0
62°	142.4	142.0	143.6	144.1	143.2	142.8
62.5°	137.7	137.3	138.6	139.3	138.3	137.7
63°	132.6	132.6	133.6	134.6	133.6	132.9
63.5°	127.7	127.9	129.2	129.6	128.7	128.0
64°	122.8	123.2	124.0	124.9	123.9	123.2
64.5°	118.0	118.3	119.5	120.1	119.2	118.7
65°	113.8	114.0	114.9	115.5	114.6	114.4
65.5°	109.3	109.4	110.8	110.8	110.2	109.8
66°	104.6	104.7	106.0	106.7	105.8	105.4

TEST NUMBER: P639511

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	92.0	92.2	93.2	93.6	93.3	93.1
68°	87.9	88.3	89.3	89.6	89.3	89.3
68.5°	83.8	84.3	85.0	85.6	85.4	85.4
69°	79.7	80.1	81.0	81.6	81.4	81.4
69.5°	75.9	76.3	77.1	77.6	77.5	77.6
70°	72.4	72.2	73.3	74.0	73.8	74.0
70.5°	69.0	68.4	69.7	70.2	70.3	70.5
71°	65.3	64.8	65.7	66.6	66.8	66.9
71.5°	61.9	61.4	62.3	63.0	63.2	63.4
72°	58.4	57.9	58.8	59.5	59.8	60.2
72.5°	55.2	54.4	55.2	56.0	56.3	56.7
73°	51.8	50.9	51.7	52.6	53.0	53.5
73.5°	48.7	47.7	48.4	49.3	50.0	50.5
74°	45.7	44.6	45.4	46.4	46.9	47.7
74.5°	42.6	41.8	42.4	43.3	44.1	44.8
75°	39.9	39.0	39.7	40.6	41.4	42.2
75.5°	37.3	36.4	37.1	38.0	38.6	39.4
76°	34.6	33.8	34.5	35.4	36.3	37.1
76.5°	32.1	31.5	32.0	33.0	33.8	34.7
77°	29.7	29.2	29.7	30.7	31.5	32.4
77.5°	27.5	27.0	27.6	28.4	29.3	30.2
78°	25.3	24.9	25.4	26.4	27.3	28.1
78.5°	23.5	23.2	23.7	24.5	25.3	26.1
79°	21.6	21.5	22.0	22.8	23.7	24.4
79.5°	19.9	19.8	20.2	21.1	22.0	22.8
80°	18.2	18.3	18.8	19.5	20.3	21.1
80.5°	16.8	16.9	17.3	18.1	18.9	19.6
81°	15.4	15.7	16.1	16.7	17.5	18.2
81.5°	14.3	14.6	15.0	15.6	16.1	16.8
82°	13.1	13.5	13.9	14.4	15.1	15.6
82.5°	12.1	12.5	12.8	13.3	13.9	14.5
83°	11.1	11.3	11.7	12.3	12.9	13.4
83.5°	9.9	10.3	10.6	11.3	11.9	12.4
84°	8.8	9.3	9.6	10.2	10.8	11.5
84.5°	7.8	8.2	8.5	9.2	9.8	10.4
85°	6.7	7.1	7.6	8.1	8.7	9.4
85.5°	5.7	6.1	6.5	7.1	7.7	8.3
86°	4.8	5.2	5.6	6.0	6.7	7.3
86.5°	3.9	4.1	4.6	5.1	5.8	6.3
87°	2.8	3.2	3.6	4.1	4.8	5.3
87.5°	1.9	2.2	2.7	3.2	3.7	4.4
88°	0.9	1.3	1.6	2.2	2.9	3.4
88.5°	0.2	0.6	0.9	1.3	1.9	2.6



TEST NUMBER: P639511  
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.1	0.2

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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Scaled Data Report





— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°

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21.5°	523.8	526.6	528.1	530.0	530.4	531.2	530.8	528.0	526.0	525.2	522.8
22°	520.5	523.5	525.0	527.9	527.6	529.1	527.9	526.3	523.6	522.9	519.7



44°	346.5	351.3	354.8	357.2	358.3	358.4	356.4	354.0	350.3	348.2	344.7
44.5°	341.7	345.8	348.3	351.2	352.4	352.0	351.3	348.6	345.3	342.0	338.6



66.5°	101.2	102.6	104.2	105.2	105.1	104.2	103.0	101.6	100.4	100.1	99.8
67°	97.3	98.3	100.0	100.9	101.0	99.8	98.5	97.2	96.1	95.9	95.4



89°	1.6	2.2	2.6	2.8	2.4	2.1	1.6	0.8	0.3	0.0	0.0
89.5°	0.8	1.3	1.8	1.8	1.7	1.3	0.6	0.0	0.0	0.0	0.0



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21.5°	521.3	519.0	519.4	520.4	521.8	523.8
22°	517.8	515.4	517.0	518.2	518.7	520.5



44°	342.4	340.3	341.0	344.1	346.0	346.5
44.5°	337.5	334.4	335.5	339.1	340.2	341.7



66.5°	100.3	100.5	101.6	102.1	101.5	101.2
67°	96.1	96.4	97.4	97.9	97.4	97.3

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89°	0.0	0.1	0.3	0.6	1.0	1.6
89.5°	0.0	0.0	0.0	0.1	0.4	0.8

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Scaled Data Report



(END OF REPORT)