

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: P639510

Luminaire Tested: RL6LS9FSD2W1EWHDM -1200LM -3000K

Issue Date: 1/25/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639510  
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 -3000K  
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE  
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

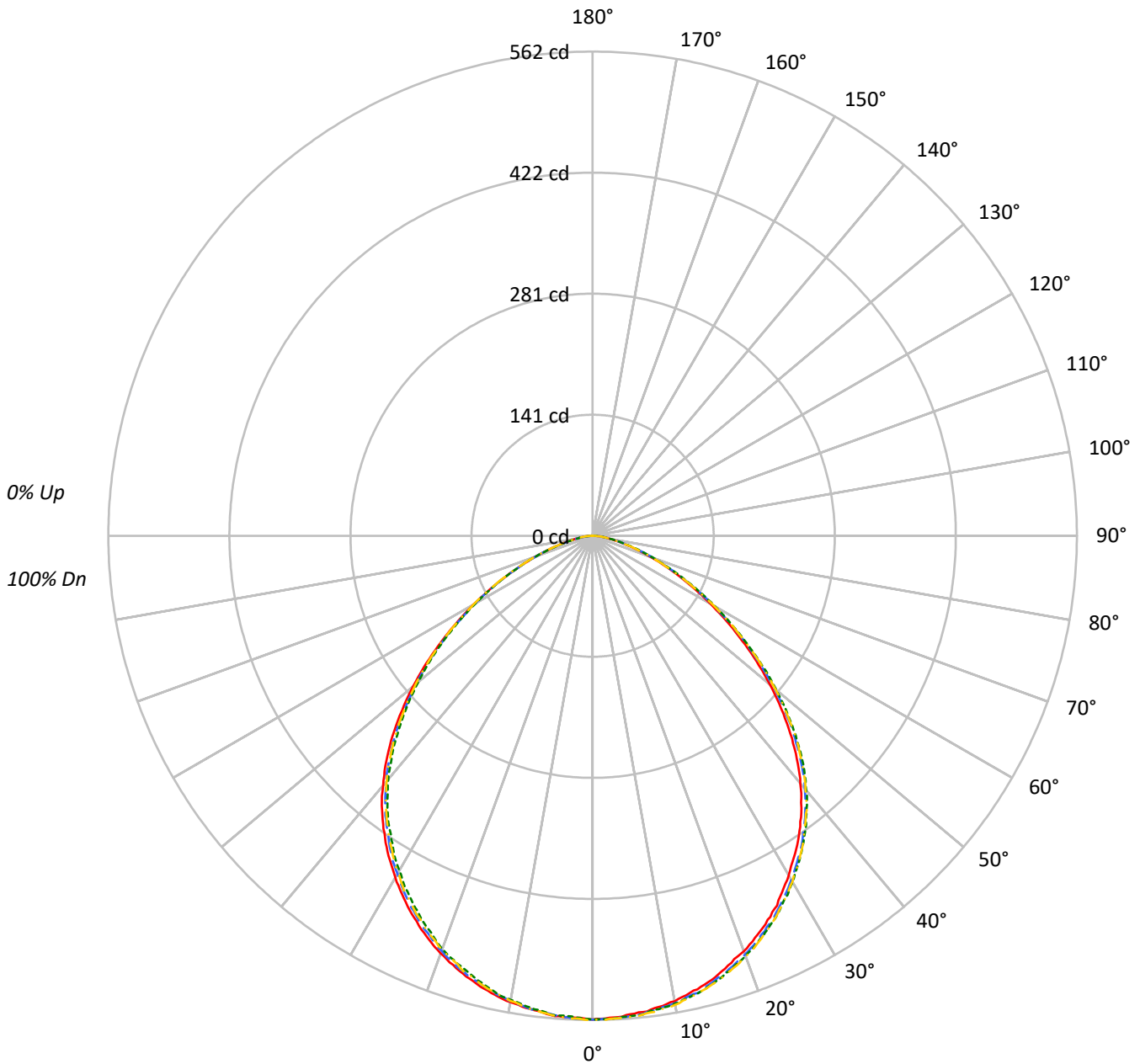
Lumens per Lamp: N/A  
Luminaire Lumens: 1300.0 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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

	0°	90°	180°	270°
0°	30787	30787	30787	30787
5°	30651	30773	30723	30690
10°	30538	30694	30605	30449
15°	30295	30573	30375	30119
20°	29933	30295	30091	29770
25°	29524	29899	29609	29076
30°	28821	29397	28992	28409
35°	27994	28636	28195	27546
40°	26843	27609	27065	26407
45°	25158	25987	25437	24654
50°	22882	23718	23180	22515
55°	20214	20922	20463	20071
60°	17323	18014	17455	17214
65°	14334	14904	14308	14282
70°	11460	12021	11252	11188
75°	8642	9235	8303	7985
80°	6440	6819	5872	5588
85°	5724	5975	4717	4277

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 112.5°  
 Vertical Angle: 45°  
 Luminance: 26018 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.0	4.1
10°-20°	150.9	11.6
20°-30°	225.0	17.3
30°-40°	262.5	20.2
40°-50°	251.5	19.3
50°-60°	191.7	14.7
60°-70°	111.7	8.6
70°-80°	44.4	3.4
80°-90°	9.4	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°	428.9	33.0
0°-40°	691.4	53.2
0°-60°	1134.5	87.3
0°-90°	1300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1300.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	562	562	562	562	562	
5°	557	559	558	558	557	53
15°	534	539	535	531	534	150
25°	488	494	490	481	488	224
35°	418	428	421	412	418	261
45°	324	335	328	318	324	249
55°	212	219	214	210	212	189
65°	110	115	110	110	110	111
75°	41	44	39	38	41	45
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°	561.6	561.6	561.6	561.6	561.6	561.6	561.6	561.6	561.6	561.6	561.6
0.5°	560.8	561.6	561.6	561.7	561.3	561.6	562.0	561.1	560.9	561.5	561.5
1°	560.7	561.4	561.1	561.3	561.3	561.5	562.5	561.9	560.4	561.4	561.0
1.5°	560.7	561.3	560.8	561.6	561.1	561.3	562.0	562.2	559.8	561.1	560.7
2°	559.7	561.0	560.5	561.6	561.0	560.4	560.9	562.0	559.8	561.3	561.1
2.5°	559.6	561.6	560.7	561.2	560.8	560.8	560.9	560.9	559.6	560.8	560.7
3°	559.7	561.0	560.6	561.8	560.3	561.1	560.8	560.8	559.5	560.4	559.7
3.5°	559.3	560.4	560.0	561.8	559.5	561.1	560.8	561.1	559.5	560.6	560.0
4°	557.8	559.8	559.9	561.1	559.5	561.3	560.6	559.6	558.8	561.3	558.4
4.5°	557.2	559.2	559.2	559.8	559.2	561.0	560.4	559.0	559.3	560.4	558.4
5°	557.0	559.4	558.6	559.7	559.2	560.3	559.9	559.0	558.3	558.6	557.2
5.5°	555.8	559.3	558.6	559.2	559.3	558.7	559.7	558.8	557.5	558.3	556.3
6°	555.8	558.2	558.1	558.4	558.7	558.4	558.8	557.9	556.1	558.1	556.1
6.5°	555.7	556.5	556.4	558.0	557.0	557.5	557.8	556.9	555.2	556.3	555.7
7°	554.2	556.1	556.1	557.2	555.5	557.0	557.3	556.3	554.7	556.1	554.9
7.5°	553.0	554.8	555.2	556.7	554.8	555.4	557.2	555.9	553.8	555.2	554.1
8°	552.3	553.9	554.2	555.3	554.8	554.6	555.7	554.8	553.7	553.6	552.5
8.5°	551.9	553.1	553.1	555.2	553.5	554.6	554.9	554.5	552.7	552.8	551.5
9°	550.4	552.8	552.7	553.4	553.3	553.6	554.0	553.3	551.3	551.9	550.6
9.5°	548.8	551.8	551.7	553.1	552.5	552.4	553.8	552.7	550.3	551.7	549.7
10°	548.6	550.2	550.9	552.0	551.4	551.5	552.9	551.1	549.8	550.1	549.0
10.5°	546.8	549.8	549.5	550.4	551.2	551.1	551.8	550.0	548.9	549.6	547.1
11°	545.5	548.0	548.5	550.1	549.0	548.9	549.7	548.9	547.5	547.0	545.4
11.5°	544.3	546.5	546.8	548.0	547.9	547.7	548.9	547.1	546.2	546.6	544.4
12°	542.4	545.5	545.5	546.8	546.9	547.7	548.1	546.0	544.9	544.9	543.1
12.5°	540.8	544.1	544.6	545.7	545.5	546.9	546.0	545.0	543.6	543.9	541.5
13°	540.4	542.5	544.5	544.0	544.9	545.2	544.9	543.1	541.8	543.1	540.1
13.5°	538.3	540.2	542.1	543.1	543.1	543.8	543.2	542.4	540.7	540.9	537.9
14°	537.0	539.0	540.0	541.1	541.8	542.2	542.0	540.7	539.3	538.4	536.5
14.5°	535.1	538.4	538.3	540.1	539.7	541.5	540.5	539.3	537.1	537.2	534.4
15°	533.8	536.6	536.7	538.8	538.7	539.0	538.8	537.2	535.2	535.1	533.4
15.5°	531.9	533.6	534.4	537.2	536.4	537.1	537.5	535.4	533.6	533.5	531.8
16°	529.5	531.9	532.7	534.9	535.0	535.5	535.9	534.3	532.2	531.1	529.8
16.5°	527.3	530.6	531.1	532.7	533.0	533.1	534.0	532.3	530.1	529.6	527.4
17°	525.5	527.8	529.8	531.4	530.3	531.9	531.3	529.8	528.2	527.5	526.3
17.5°	523.0	527.1	527.3	528.6	529.4	529.9	529.8	528.2	526.2	525.2	524.4
18°	521.3	524.6	525.3	526.3	527.2	527.3	527.6	527.6	523.7	524.0	521.7
18.5°	517.9	521.4	523.2	526.0	524.7	526.1	526.3	524.5	522.5	522.0	519.4
19°	516.6	519.7	521.0	523.3	523.3	524.2	524.2	522.2	519.9	519.1	517.6
19.5°	514.9	517.7	519.4	520.1	521.2	521.6	521.6	520.3	517.6	516.7	515.3
20°	513.1	516.5	517.1	518.5	519.3	519.3	519.4	517.5	515.8	515.5	512.6
20.5°	511.0	513.8	515.0	516.4	516.4	517.1	517.9	515.2	513.3	512.2	510.9
21°	508.0	511.9	512.6	513.8	514.7	514.9	516.1	513.4	511.2	510.2	507.6



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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°	500.9	504.3	505.2	507.9	506.9	508.2	508.1	505.9	503.5	502.6	499.4
23°	498.5	501.5	502.3	504.4	505.4	506.1	505.1	503.5	500.8	499.2	497.3
23.5°	496.0	499.0	500.5	502.0	502.1	503.5	502.6	500.9	498.6	496.6	495.2
24°	493.6	496.0	497.2	498.7	499.8	500.9	500.0	498.4	495.7	494.4	492.1
24.5°	489.8	493.1	495.0	496.4	496.8	498.2	497.5	495.4	492.2	492.2	488.7
25°	488.1	490.4	493.1	493.7	494.3	494.9	494.6	492.7	489.5	488.7	485.5
25.5°	484.2	487.7	489.7	491.3	491.9	491.7	491.8	489.5	486.9	485.0	482.4
26°	481.6	484.6	486.3	488.2	489.1	489.0	488.9	486.2	483.9	482.4	480.1
26.5°	479.7	481.4	483.6	485.0	486.0	486.8	485.5	483.2	480.8	479.8	476.5
27°	474.8	479.0	480.2	482.4	482.7	483.5	482.5	481.0	477.5	476.3	473.4
27.5°	471.6	476.2	477.1	479.1	479.2	480.0	479.9	477.6	474.5	473.3	470.4
28°	468.3	472.3	473.8	476.1	476.2	476.7	475.9	474.2	471.2	470.3	467.2
28.5°	464.9	468.8	471.2	472.6	474.3	473.2	473.0	470.8	468.1	466.9	463.8
29°	461.7	465.4	467.9	469.1	470.7	470.2	469.8	467.7	464.5	463.5	460.4
29.5°	458.7	462.3	464.4	466.3	466.8	466.8	466.4	464.4	461.7	459.5	457.0
30°	455.3	459.6	461.1	463.0	464.4	463.6	463.5	460.9	458.0	455.9	452.9
30.5°	451.3	456.2	457.9	459.5	460.7	460.3	459.5	457.4	454.4	453.0	450.2
31°	447.2	451.8	454.3	456.2	456.4	456.9	456.2	454.1	451.0	449.5	446.5
31.5°	444.0	449.1	450.8	452.7	453.2	453.3	453.1	450.6	447.3	446.4	443.4
32°	440.8	445.6	447.5	449.0	449.8	450.7	449.8	447.0	443.9	443.2	439.4
32.5°	437.3	441.7	443.9	445.6	446.5	446.4	446.4	443.5	440.9	438.6	435.6
33°	433.8	437.9	440.6	441.8	442.9	442.9	442.3	439.6	437.1	434.9	432.0
33.5°	430.1	434.5	437.0	438.4	439.4	439.2	439.0	435.9	433.3	431.0	427.8
34°	426.5	430.8	433.5	435.1	435.3	435.2	435.2	432.5	429.7	427.3	423.6
34.5°	422.5	426.2	429.6	431.4	431.9	431.5	431.4	429.2	425.5	423.2	419.4
35°	418.3	423.1	425.4	428.0	427.9	428.2	426.9	425.2	421.3	419.4	415.7
35.5°	414.8	419.0	421.5	423.3	424.0	424.5	423.1	422.2	417.9	415.9	412.2
36°	410.1	414.9	417.8	419.2	420.6	421.0	418.7	417.3	413.8	411.9	407.8
36.5°	406.6	411.1	413.5	415.5	416.5	416.8	414.9	412.5	409.5	407.7	404.3
37°	402.5	406.3	409.8	411.7	411.1	412.5	410.8	409.0	405.3	403.5	399.9
37.5°	398.1	402.7	405.2	406.5	407.5	407.2	406.4	404.5	401.3	398.9	395.5
38°	393.0	397.9	401.0	402.4	403.1	403.6	403.8	399.9	397.5	394.6	390.8
38.5°	389.0	393.9	395.9	397.6	399.6	398.7	399.0	395.3	393.0	389.8	386.7
39°	384.7	389.2	392.1	393.4	395.1	395.5	393.8	391.6	388.8	386.3	382.0
39.5°	379.8	384.9	387.6	389.5	391.0	391.1	389.0	387.1	383.0	381.0	377.3
40°	375.1	381.3	383.3	385.1	385.8	385.8	384.2	382.5	378.2	377.0	373.0
40.5°	371.0	375.6	378.8	380.2	380.6	381.1	380.1	376.6	373.8	373.0	368.4
41°	365.9	370.4	373.5	375.7	376.6	376.8	375.4	373.1	368.7	367.3	363.7
41.5°	361.0	365.3	368.6	370.8	371.8	372.0	370.4	368.9	364.6	361.8	358.3
42°	355.9	360.7	364.0	365.7	367.0	366.0	365.4	362.8	359.4	357.2	353.4
42.5°	350.7	355.3	358.7	360.0	362.8	361.8	360.1	357.8	354.1	352.5	348.2
43°	345.8	350.2	353.2	355.1	357.2	356.3	355.3	352.5	349.1	347.1	343.3
43.5°	340.5	345.0	348.1	350.3	351.8	351.4	349.5	347.1	344.1	341.9	338.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	324.5	328.9	332.4	333.5	335.2	335.6	333.6	331.4	328.1	325.6	322.5
45.5°	319.1	323.5	326.1	328.4	330.2	330.0	328.9	325.9	322.4	320.1	317.3
46°	313.7	317.7	321.2	323.2	324.2	324.2	322.9	320.2	317.1	314.9	311.9
46.5°	307.8	311.9	315.6	317.6	319.3	318.5	317.2	314.7	311.4	309.2	306.0
47°	303.0	306.4	309.5	311.1	312.9	313.2	311.1	308.9	306.2	303.7	300.7
47.5°	296.7	301.1	304.1	305.1	307.3	307.2	305.6	303.6	299.7	298.5	294.6
48°	291.3	295.1	298.5	299.3	302.0	301.3	300.0	298.1	294.6	292.9	289.3
48.5°	285.9	289.4	292.3	294.0	295.7	295.5	294.7	291.8	289.0	287.3	283.5
49°	279.8	283.4	286.5	288.2	289.9	289.4	288.1	286.1	283.5	281.5	278.3
49.5°	274.4	277.7	280.9	282.8	284.1	284.0	282.6	280.5	277.8	275.7	272.5
50°	268.3	271.7	274.9	276.1	278.1	278.5	276.4	274.4	271.8	269.9	267.1
50.5°	263.0	266.6	268.9	270.8	272.0	272.3	270.5	268.4	265.9	264.2	261.4
51°	257.1	260.9	262.9	265.1	266.6	265.5	265.1	262.9	260.3	259.1	256.2
51.5°	251.5	255.0	257.6	258.9	261.1	260.2	259.3	257.2	254.8	252.4	250.1
52°	245.1	248.9	251.5	253.5	255.2	254.4	253.0	251.5	249.3	247.3	244.4
52.5°	239.7	242.6	245.5	247.2	248.7	248.4	247.4	245.8	243.2	241.7	238.9
53°	234.2	237.0	239.6	241.5	242.4	243.3	241.4	239.4	237.1	235.5	233.5
53.5°	228.4	231.4	234.2	235.9	236.9	236.8	235.6	233.9	231.5	230.1	228.0
54°	222.8	225.5	228.8	229.8	230.8	230.7	229.5	228.4	226.0	224.2	222.2
54.5°	217.6	220.1	222.6	224.3	225.0	225.1	223.9	222.7	220.2	218.7	216.6
55°	211.5	214.2	216.8	218.6	218.9	219.1	218.2	216.6	214.1	212.8	210.9
55.5°	205.9	208.5	211.1	212.8	213.5	213.6	212.2	210.8	208.5	207.0	205.7
56°	200.6	203.0	205.7	207.2	207.9	207.6	206.2	205.3	202.9	201.5	200.2
56.5°	195.2	197.6	200.1	201.6	202.4	202.0	200.6	199.4	197.7	196.4	194.7
57°	189.7	191.9	194.7	195.7	196.8	196.2	195.5	193.7	191.8	190.5	189.5
57.5°	184.1	186.6	189.5	190.3	190.9	190.7	189.6	188.0	186.2	185.1	183.8
58°	178.6	181.3	183.9	185.1	185.6	185.2	184.1	182.6	180.7	179.8	178.3
58.5°	173.5	175.4	178.1	179.5	180.6	180.0	178.4	176.9	175.0	174.3	173.0
59°	168.2	170.2	172.9	173.7	175.0	174.6	173.0	171.8	169.8	168.7	167.7
59.5°	163.1	164.8	167.3	168.7	169.1	168.6	168.0	166.1	164.3	163.6	162.7
60°	158.0	159.5	162.2	163.7	164.3	163.3	162.3	161.0	159.2	158.5	157.6
60.5°	152.9	154.5	157.1	158.2	159.2	158.5	157.1	155.6	154.0	153.3	152.4
61°	147.8	149.4	152.1	153.3	154.0	153.1	151.6	150.2	148.7	148.0	147.3
61.5°	143.1	144.4	146.9	148.1	148.8	147.9	146.5	145.1	143.7	142.8	142.0
62°	138.1	139.5	141.8	142.9	143.9	142.7	141.4	140.0	138.5	137.9	137.3
62.5°	133.1	134.8	136.8	138.0	138.8	137.8	136.4	135.5	133.6	132.9	132.5
63°	128.4	130.0	132.0	133.1	133.8	132.6	131.6	130.0	128.8	128.2	127.5
63.5°	123.7	125.4	127.3	128.5	128.7	128.1	126.6	125.3	124.2	123.6	123.1
64°	119.1	120.7	122.8	123.9	124.2	123.4	122.1	120.4	119.4	118.9	118.7
64.5°	114.8	116.2	118.2	119.2	119.7	118.7	117.4	115.9	114.7	114.4	113.8
65°	110.5	111.9	113.6	114.6	114.9	114.1	112.6	111.6	110.3	110.1	109.3
65.5°	106.1	107.4	109.4	110.2	110.5	109.7	108.4	107.1	105.9	105.3	105.2
66°	101.9	103.3	105.0	105.8	106.2	105.1	103.8	102.4	101.4	101.1	100.6





TEST NUMBER: P639510

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	90.0	91.3	93.0	93.9	93.3	92.6	91.4	90.1	89.0	88.6	88.4
68°	86.3	87.4	89.0	89.9	89.5	88.7	87.4	85.9	84.9	84.7	84.4
68.5°	82.5	83.8	85.0	86.1	85.6	84.7	83.3	81.9	80.9	80.9	80.4
69°	78.7	80.0	81.4	82.2	81.9	81.1	79.6	78.4	77.3	76.9	76.5
69.5°	75.0	76.4	77.7	78.5	78.6	77.4	76.1	74.6	73.6	73.3	73.0
70°	71.5	72.8	74.3	74.8	75.0	74.0	72.6	71.2	70.2	69.8	69.6
70.5°	68.2	69.3	70.7	71.3	71.5	70.6	69.3	67.9	66.8	66.4	66.1
71°	64.7	66.0	67.1	68.0	68.2	67.2	65.9	64.5	63.4	63.1	62.8
71.5°	61.2	62.7	63.7	64.4	64.8	63.7	62.4	61.3	60.0	59.5	59.4
72°	58.2	59.2	60.4	61.0	61.6	60.6	59.1	58.0	56.8	56.4	56.2
72.5°	54.8	55.8	57.2	57.7	58.2	57.5	56.0	54.7	53.8	53.2	53.0
73°	51.7	53.0	53.9	54.4	55.2	54.2	52.9	51.6	50.7	50.2	49.9
73.5°	48.8	50.1	50.9	51.4	52.2	51.2	49.9	48.6	47.6	47.2	46.8
74°	46.1	47.2	48.1	48.4	49.4	48.2	46.9	45.7	44.7	44.1	43.7
74.5°	43.3	44.5	45.3	45.6	46.4	45.3	44.1	42.9	41.9	41.4	41.1
75°	40.8	41.9	42.7	42.8	43.6	42.7	41.4	40.2	39.2	38.6	38.5
75.5°	38.1	39.2	40.1	40.2	40.9	40.1	38.7	37.7	36.6	36.1	35.9
76°	35.8	36.8	37.5	37.6	38.3	37.5	36.2	35.2	34.2	33.7	33.4
76.5°	33.5	34.5	35.1	35.2	35.9	35.0	33.8	32.6	31.7	31.2	30.9
77°	31.3	32.3	32.8	33.0	33.5	32.6	31.5	30.4	29.4	29.0	28.7
77.5°	29.2	30.0	30.7	30.8	31.3	30.4	29.3	28.3	27.3	26.8	26.6
78°	27.2	27.9	28.6	28.7	29.1	28.3	27.3	26.3	25.4	24.7	24.5
78.5°	25.2	26.2	26.8	26.8	27.1	26.2	25.3	24.4	23.4	23.0	22.7
79°	23.6	24.4	24.7	24.7	25.0	24.4	23.3	22.8	21.9	21.3	21.1
79.5°	22.0	22.8	23.3	23.3	23.1	22.7	22.0	21.0	20.1	19.6	19.4
80°	20.4	21.2	21.6	21.6	21.6	21.1	20.2	19.4	18.6	18.2	17.8
80.5°	19.0	19.6	20.1	20.0	20.0	19.4	18.7	18.0	17.2	16.8	16.4
81°	17.6	18.3	18.6	18.6	18.5	18.0	17.2	16.6	15.9	15.4	15.0
81.5°	16.3	16.8	17.2	17.2	16.9	16.6	15.8	15.2	14.6	14.2	14.0
82°	15.1	15.6	16.0	15.9	15.7	15.2	14.6	14.1	13.6	13.2	12.9
82.5°	14.1	14.5	14.8	14.7	14.4	14.1	13.7	13.0	12.5	12.1	11.7
83°	13.0	13.5	13.9	13.9	13.5	13.0	12.6	12.1	11.5	11.2	10.7
83.5°	11.9	12.4	12.8	12.8	12.3	12.0	11.6	11.0	10.5	10.0	9.6
84°	11.1	11.5	11.8	11.8	11.5	11.1	10.6	10.0	9.4	9.1	8.7
84.5°	10.0	10.5	10.9	10.9	10.5	10.2	9.6	9.1	8.5	8.1	7.7
85°	9.1	9.5	9.9	9.9	9.5	9.2	8.6	8.2	7.5	7.1	6.5
85.5°	8.0	8.6	9.0	9.0	8.6	8.3	7.8	7.1	6.5	6.2	5.7
86°	7.0	7.6	8.0	8.0	7.6	7.3	6.8	6.2	5.7	5.1	5.0
86.5°	6.1	6.6	7.0	7.1	6.7	6.4	6.0	5.3	5.0	4.2	3.8
87°	5.1	5.8	6.1	6.2	6.0	5.6	5.0	4.3	3.8	3.3	2.8
87.5°	4.2	4.9	5.2	5.3	5.0	4.9	4.0	3.6	2.9	2.3	2.0
88°	3.3	3.9	4.3	4.4	4.0	3.8	3.2	2.5	1.9	1.5	1.1
88.5°	2.5	3.1	3.4	3.5	3.2	2.8	2.3	1.7	1.2	0.6	0.5



TEST NUMBER: P639510  
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3000K

**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: P639510

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	561.6	561.6	561.6	561.6	561.6	561.6
0.5°	561.1	561.0	561.7	562.3	560.9	560.8
1°	560.7	560.4	560.6	561.6	561.1	560.7
1.5°	560.5	560.0	560.4	560.8	561.9	560.7
2°	560.4	559.4	560.4	560.8	561.9	559.7
2.5°	559.5	558.4	559.9	561.0	560.6	559.6
3°	559.5	558.4	559.2	560.4	560.0	559.7
3.5°	559.4	558.0	559.2	560.0	559.7	559.3
4°	559.1	558.4	558.6	559.2	559.4	557.8
4.5°	558.7	558.3	558.8	558.9	558.5	557.2
5°	559.0	557.7	556.9	558.2	557.6	557.0
5.5°	558.4	556.2	556.8	556.9	556.3	555.8
6°	555.7	554.9	555.3	556.7	556.3	555.8
6.5°	554.6	554.0	555.2	555.5	554.5	555.7
7°	553.9	553.8	554.4	554.6	554.2	554.2
7.5°	553.2	552.4	552.0	554.1	553.5	553.0
8°	553.0	551.7	551.3	552.7	552.7	552.3
8.5°	551.1	550.1	550.4	551.7	551.8	551.9
9°	550.2	549.0	548.5	550.0	550.5	550.4
9.5°	549.3	547.6	547.9	549.0	549.8	548.8
10°	548.0	547.0	547.7	548.3	548.4	548.6
10.5°	546.4	545.8	545.9	546.6	547.5	546.8
11°	546.3	545.5	545.4	545.4	544.9	545.5
11.5°	544.4	544.2	544.2	543.7	544.0	544.3
12°	543.7	541.9	540.9	542.2	542.8	542.4
12.5°	541.3	540.1	539.3	540.9	540.8	540.8
13°	538.9	538.2	538.4	539.7	539.6	540.4
13.5°	537.8	536.4	537.4	538.2	538.0	538.3
14°	536.9	534.3	535.5	536.3	536.5	537.0
14.5°	534.7	533.1	533.5	534.2	533.8	535.1
15°	532.8	530.7	532.2	531.7	533.3	533.8
15.5°	530.4	528.6	529.3	529.9	531.1	531.9
16°	528.4	526.5	527.4	527.4	528.8	529.5
16.5°	526.8	524.4	525.4	527.4	526.8	527.3
17°	524.7	522.5	523.6	524.7	525.7	525.5
17.5°	522.7	521.0	522.2	521.2	522.8	523.0
18°	521.2	518.4	519.5	519.6	520.0	521.3
18.5°	517.9	517.1	516.2	517.0	518.5	517.9
19°	516.1	515.1	514.0	516.3	516.3	516.6
19.5°	513.8	512.4	511.7	513.0	514.4	514.9
20°	511.3	510.3	509.3	510.9	511.9	513.1
20.5°	508.1	507.7	507.1	509.1	509.9	511.0
21°	506.0	504.8	504.9	505.7	506.5	508.0



TEST NUMBER: P639510

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	498.8	495.7	496.2	498.3	498.3	500.9
23°	495.6	493.2	493.2	495.7	496.7	498.5
23.5°	493.3	490.3	491.0	492.6	493.7	496.0
24°	490.1	487.8	488.1	489.0	490.5	493.6
24.5°	487.3	484.2	485.2	486.8	488.0	489.8
25°	484.1	480.7	482.1	484.4	485.5	488.1
25.5°	480.7	478.4	478.7	481.0	482.3	484.2
26°	478.1	475.2	476.1	477.7	479.9	481.6
26.5°	475.0	471.8	473.3	474.6	476.1	479.7
27°	471.7	468.9	469.6	471.6	473.0	474.8
27.5°	468.3	465.5	466.2	468.7	470.2	471.6
28°	465.3	463.2	463.2	466.6	466.7	468.3
28.5°	462.1	459.5	459.9	462.4	463.2	464.9
29°	458.3	455.9	456.6	459.0	459.9	461.7
29.5°	454.5	451.7	453.1	454.8	456.6	458.7
30°	451.3	448.8	449.1	451.8	453.4	455.3
30.5°	447.8	445.4	445.9	448.6	449.6	451.3
31°	444.4	442.2	442.2	445.2	446.1	447.2
31.5°	441.2	438.7	438.6	441.0	442.6	444.0
32°	436.6	434.9	434.6	437.2	439.2	440.8
32.5°	432.7	431.0	430.9	433.1	435.6	437.3
33°	428.9	426.2	427.4	429.7	432.0	433.8
33.5°	425.3	423.2	423.8	426.0	428.1	430.1
34°	421.7	418.7	419.7	421.9	424.4	426.5
34.5°	418.0	415.1	415.9	418.5	420.6	422.5
35°	414.4	411.6	412.1	414.5	416.9	418.3
35.5°	410.2	408.2	408.2	410.3	412.3	414.8
36°	405.4	404.0	404.6	406.7	408.7	410.1
36.5°	401.8	399.8	399.9	402.3	404.0	406.6
37°	398.2	395.8	395.2	398.3	400.5	402.5
37.5°	393.9	391.1	391.3	393.6	396.4	398.1
38°	389.1	386.5	387.4	389.5	392.0	393.0
38.5°	384.7	381.8	383.4	385.3	387.1	389.0
39°	380.3	377.6	378.4	380.8	382.6	384.7
39.5°	375.1	373.8	374.0	376.7	378.0	379.8
40°	370.8	369.0	369.0	372.0	373.7	375.1
40.5°	366.3	364.5	365.2	367.3	368.6	371.0
41°	361.0	359.3	360.3	362.7	364.0	365.9
41.5°	356.7	353.5	355.7	358.0	359.3	361.0
42°	352.0	348.8	351.1	352.6	354.3	355.9
42.5°	346.3	344.3	345.5	347.4	349.9	350.7
43°	341.4	339.4	339.9	342.6	344.5	345.8
43.5°	335.9	334.5	334.5	337.4	339.4	340.5

TEST NUMBER: P639510

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	320.8	318.0	319.2	321.7	323.5	324.5
45.5°	315.3	312.9	313.9	316.5	317.6	319.1
46°	309.8	307.6	308.6	311.9	313.1	313.7
46.5°	304.1	302.4	303.9	305.8	307.0	307.8
47°	299.0	297.0	297.9	300.3	301.8	303.0
47.5°	293.4	291.5	293.0	295.2	295.9	296.7
48°	288.1	286.2	287.0	290.0	290.8	291.3
48.5°	282.2	280.7	282.0	283.6	284.9	285.9
49°	276.2	275.0	276.7	278.7	279.4	279.8
49.5°	270.8	269.9	271.1	273.2	273.4	274.4
50°	265.9	264.0	266.4	267.8	267.7	268.3
50.5°	259.8	258.7	260.3	262.3	262.8	263.0
51°	254.2	253.3	255.2	256.7	257.3	257.1
51.5°	248.6	248.2	249.1	251.3	251.5	251.5
52°	243.3	242.4	243.8	245.7	245.3	245.1
52.5°	237.6	237.1	238.7	240.0	239.8	239.7
53°	232.4	231.5	233.6	234.9	234.5	234.2
53.5°	226.8	226.0	227.7	229.1	229.0	228.4
54°	221.3	220.8	222.0	224.0	223.0	222.8
54.5°	216.0	215.0	216.1	218.5	217.8	217.6
55°	210.6	210.0	211.2	212.7	212.0	211.5
55.5°	205.1	204.3	205.8	206.8	206.6	205.9
56°	199.9	199.0	200.1	201.7	201.0	200.6
56.5°	194.5	193.3	194.7	196.6	196.0	195.2
57°	189.3	188.3	189.9	191.1	190.5	189.7
57.5°	183.7	182.5	184.6	185.4	184.8	184.1
58°	178.2	177.4	179.1	180.1	179.6	178.6
58.5°	173.2	172.3	173.8	175.0	174.1	173.5
59°	168.0	167.4	168.4	169.9	168.9	168.2
59.5°	162.7	162.0	163.7	164.6	163.9	163.1
60°	157.7	157.0	158.3	159.7	158.6	158.0
60.5°	152.9	151.9	153.3	154.5	153.7	152.9
61°	148.0	147.2	148.5	149.4	148.8	147.8
61.5°	142.6	142.5	143.7	144.5	143.7	143.1
62°	137.7	137.3	138.8	139.3	138.5	138.1
62.5°	133.1	132.7	133.9	134.6	133.6	133.1
63°	128.1	128.1	129.1	130.1	129.1	128.4
63.5°	123.4	123.6	124.9	125.3	124.4	123.7
64°	118.7	119.1	119.9	120.7	119.8	119.1
64.5°	114.1	114.4	115.5	116.1	115.2	114.8
65°	110.0	110.1	111.0	111.6	110.7	110.5
65.5°	105.6	105.7	107.1	107.1	106.5	106.1
66°	101.1	101.2	102.4	103.1	102.2	101.9



TEST NUMBER: P639510

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	89.0	89.2	90.1	90.5	90.2	90.0
68°	84.9	85.3	86.3	86.6	86.3	86.3
68.5°	81.0	81.5	82.1	82.7	82.5	82.5
69°	77.0	77.4	78.3	78.9	78.7	78.7
69.5°	73.4	73.8	74.5	75.0	74.9	75.0
70°	70.0	69.8	70.9	71.5	71.3	71.5
70.5°	66.7	66.1	67.4	67.9	68.0	68.2
71°	63.2	62.7	63.5	64.4	64.6	64.7
71.5°	59.8	59.3	60.2	60.8	61.0	61.2
72°	56.4	55.9	56.8	57.5	57.8	58.2
72.5°	53.3	52.6	53.3	54.1	54.4	54.8
73°	50.1	49.2	50.0	50.8	51.2	51.7
73.5°	47.1	46.1	46.8	47.7	48.3	48.8
74°	44.2	43.1	43.9	44.9	45.3	46.1
74.5°	41.2	40.4	41.0	41.9	42.7	43.3
75°	38.6	37.7	38.4	39.3	40.1	40.8
75.5°	36.0	35.1	35.8	36.7	37.4	38.1
76°	33.4	32.6	33.3	34.2	35.0	35.8
76.5°	31.0	30.4	30.9	31.9	32.6	33.5
77°	28.7	28.2	28.7	29.7	30.4	31.3
77.5°	26.6	26.1	26.7	27.4	28.3	29.2
78°	24.5	24.1	24.6	25.5	26.4	27.2
78.5°	22.7	22.4	22.9	23.7	24.5	25.2
79°	20.9	20.8	21.3	22.0	22.9	23.6
79.5°	19.3	19.2	19.5	20.4	21.3	22.0
80°	17.6	17.7	18.2	18.9	19.6	20.4
80.5°	16.3	16.4	16.8	17.5	18.3	19.0
81°	14.9	15.2	15.6	16.2	16.9	17.6
81.5°	13.9	14.2	14.5	15.1	15.6	16.3
82°	12.7	13.1	13.5	14.0	14.6	15.1
82.5°	11.6	12.0	12.3	12.9	13.5	14.1
83°	10.7	10.9	11.3	11.8	12.4	13.0
83.5°	9.5	9.9	10.2	10.9	11.5	11.9
84°	8.5	9.0	9.2	9.8	10.4	11.1
84.5°	7.5	7.9	8.2	8.9	9.4	10.0
85°	6.5	6.8	7.3	7.8	8.4	9.1
85.5°	5.5	5.9	6.3	6.8	7.4	8.0
86°	4.6	5.0	5.4	5.8	6.5	7.0
86.5°	3.8	3.9	4.4	4.9	5.6	6.1
87°	2.7	3.1	3.5	3.9	4.6	5.1
87.5°	1.8	2.1	2.6	3.1	3.6	4.2
88°	0.9	1.3	1.5	2.1	2.8	3.3
88.5°	0.2	0.6	0.9	1.3	1.8	2.5



TEST NUMBER: P639510  
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -3000K

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

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21.5°	506.2	508.9	510.5	512.3	512.7	513.5	513.1	510.3	508.4	507.6	505.3
22°	503.1	506.0	507.4	510.2	509.9	511.4	510.2	508.6	506.1	505.4	502.3



44°	334.9	339.6	343.0	345.3	346.3	346.4	344.5	342.2	338.6	336.6	333.1
44.5°	330.2	334.2	336.7	339.5	340.6	340.3	339.6	337.0	333.7	330.5	327.3



66.5°	97.8	99.2	100.7	101.7	101.6	100.7	99.6	98.2	97.1	96.8	96.5
67°	94.1	95.0	96.7	97.5	97.6	96.5	95.2	94.0	92.9	92.7	92.2



89°	1.5	2.1	2.5	2.7	2.3	2.0	1.5	0.8	0.3	0.0	0.0
89.5°	0.8	1.3	1.7	1.7	1.6	1.3	0.6	0.0	0.0	0.0	0.0



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21.5°	503.8	501.6	502.0	503.0	504.3	506.2
22°	500.5	498.2	499.7	500.9	501.3	503.1



44°	330.9	328.9	329.6	332.6	334.4	334.9
44.5°	326.2	323.2	324.3	327.7	328.8	330.2

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Scaled Data Report



66.5°	97.0	97.1	98.2	98.7	98.1	97.8
67°	92.9	93.2	94.2	94.6	94.2	94.1



89°	0.0	0.1	0.3	0.6	1.0	1.5
89.5°	0.0	0.0	0.0	0.1	0.4	0.8

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Scaled Data Report



(END OF REPORT)