

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: P639513

Luminaire Tested: RL6LS9FSD2W1EWHDM -1200LM -5000K

Issue Date: 1/25/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639513  
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 -5000K  
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE  
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

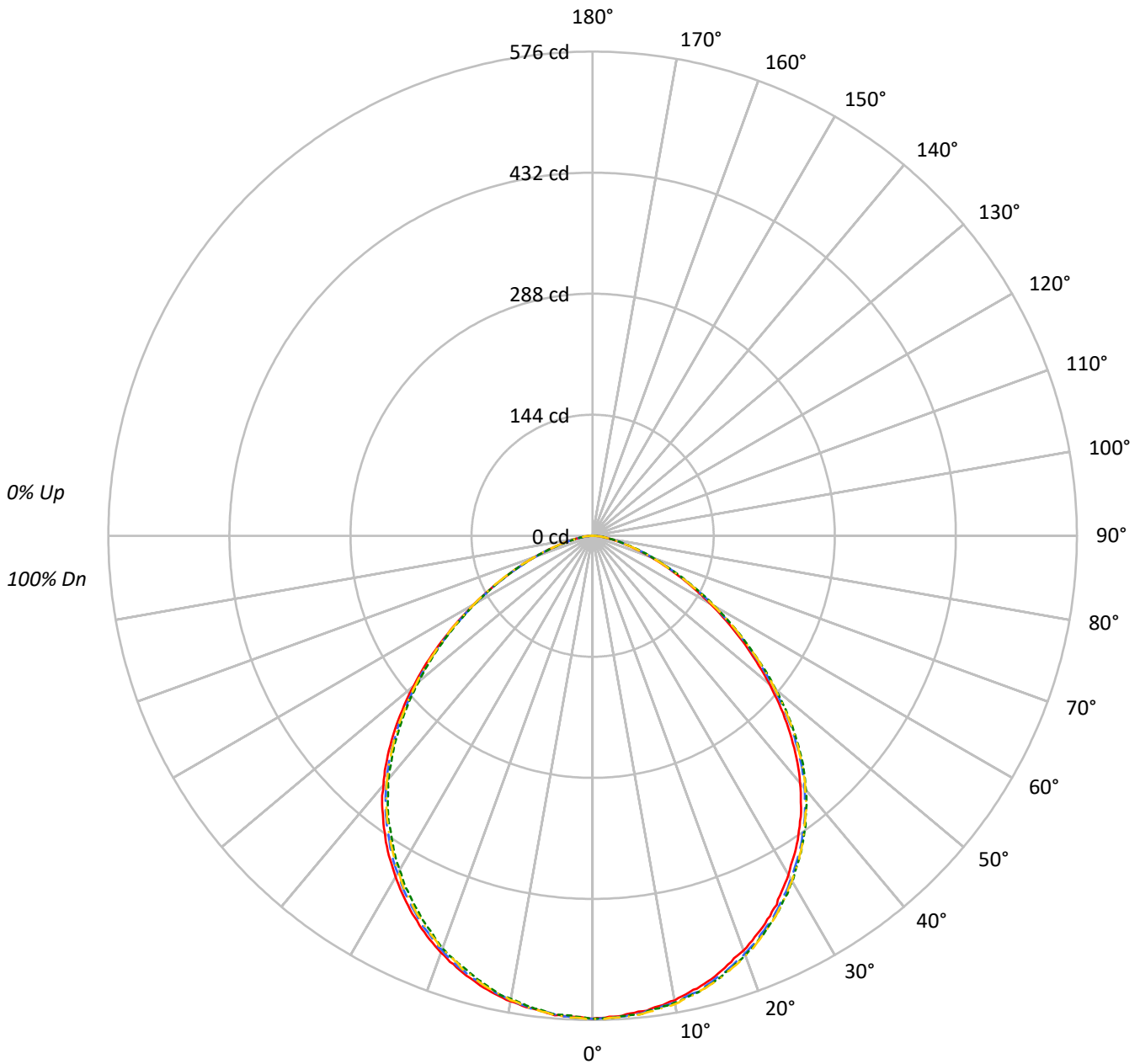
Lumens per Lamp: N/A  
Luminaire Lumens: 1330.0 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	31500	31500	31500	31500
5°	31356	31482	31433	31394
10°	31245	31401	31306	31151
15°	30993	31277	31078	30812
20°	30622	30995	30785	30458
25°	30207	30588	30292	29748
30°	29486	30074	29663	29061
35°	28643	29292	28844	28181
40°	27466	28246	27688	27022
45°	25739	26592	26026	25227
50°	23411	24264	23718	23035
55°	20683	21409	20941	20530
60°	17718	18420	17849	17619
65°	14671	15242	14645	14619
70°	11733	12294	11508	11444
75°	8854	9447	8494	8176
80°	6598	6977	5998	5714
85°	5850	6164	4843	4403

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 112.5°

Vertical Angle: 45°

Luminance: 26623 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.2	4.1
10°-20°	154.4	11.6
20°-30°	230.2	17.3
30°-40°	268.6	20.2
40°-50°	257.3	19.3
50°-60°	196.1	14.7
60°-70°	114.3	8.6
70°-80°	45.4	3.4
80°-90°	9.6	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°	438.8	33.0
0°-40°	707.3	53.2
0°-60°	1160.7	87.3
0°-90°	1330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1330.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	575	575	575	575	575	
5°	570	572	571	570	570	54
15°	546	551	548	543	546	154
25°	499	506	501	492	499	229
35°	428	438	431	421	428	267
45°	332	343	336	325	332	255
55°	216	224	219	215	216	194
65°	113	118	113	113	113	113
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°	574.6	574.6	574.6	574.6	574.6	574.6	574.6	574.6	574.6	574.6	574.6
0.5°	573.8	574.6	574.6	574.7	574.3	574.6	575.0	574.1	573.9	574.5	574.5
1°	573.7	574.4	574.1	574.3	574.3	574.5	575.5	574.9	573.4	574.4	574.0
1.5°	573.7	574.3	573.8	574.6	574.1	574.3	575.0	575.2	572.7	574.1	573.7
2°	572.6	574.0	573.5	574.6	574.0	573.3	573.9	575.0	572.7	574.3	574.1
2.5°	572.5	574.6	573.7	574.2	573.8	573.8	573.9	573.9	572.5	573.8	573.7
3°	572.6	574.0	573.6	574.8	573.2	574.1	573.8	573.8	572.4	573.3	572.6
3.5°	572.2	573.4	572.9	574.8	572.4	574.1	573.8	574.1	572.4	573.6	572.9
4°	570.6	572.7	572.8	574.1	572.4	574.3	573.6	572.5	571.7	574.3	571.3
4.5°	570.0	572.1	572.1	572.7	572.1	574.0	573.4	571.9	572.2	573.4	571.3
5°	569.8	572.3	571.5	572.6	572.1	573.2	572.8	571.9	571.2	571.5	570.0
5.5°	568.7	572.2	571.5	572.1	572.2	571.6	572.6	571.7	570.3	571.2	569.1
6°	568.7	571.1	571.0	571.3	571.6	571.3	571.7	570.8	568.9	571.0	568.9
6.5°	568.6	569.3	569.2	570.9	569.8	570.3	570.7	569.7	568.1	569.1	568.6
7°	567.0	568.9	568.9	570.0	568.4	569.8	570.1	569.1	567.5	568.9	567.7
7.5°	565.8	567.6	568.0	569.5	567.6	568.3	570.0	568.8	566.6	568.0	566.9
8°	565.0	566.7	567.0	568.2	567.6	567.4	568.6	567.6	566.5	566.4	565.2
8.5°	564.6	565.9	565.9	568.0	566.3	567.4	567.7	567.3	565.4	565.6	564.2
9°	563.1	565.6	565.4	566.2	566.1	566.4	566.8	566.1	564.0	564.6	563.3
9.5°	561.5	564.5	564.4	565.9	565.2	565.1	566.6	565.4	563.0	564.4	562.3
10°	561.3	562.9	563.6	564.7	564.1	564.2	565.7	563.8	562.4	562.7	561.7
10.5°	559.4	562.4	562.2	563.1	563.9	563.8	564.5	562.6	561.6	562.3	559.7
11°	558.1	560.7	561.2	562.8	561.7	561.6	562.3	561.6	560.1	559.6	558.0
11.5°	556.8	559.1	559.4	560.7	560.6	560.4	561.6	559.7	558.8	559.2	556.9
12°	555.0	558.1	558.1	559.4	559.5	560.4	560.8	558.6	557.4	557.4	555.7
12.5°	553.3	556.6	557.1	558.3	558.1	559.5	558.6	557.6	556.1	556.4	554.0
13°	552.9	555.1	557.0	556.5	557.4	557.8	557.5	555.7	554.3	555.7	552.6
13.5°	550.7	552.7	554.6	555.7	555.7	556.3	555.8	555.0	553.2	553.4	550.3
14°	549.3	551.4	552.5	553.6	554.3	554.7	554.5	553.2	551.7	550.8	548.9
14.5°	547.5	550.8	550.7	552.6	552.1	554.0	553.0	551.7	549.4	549.6	546.7
15°	546.1	549.0	549.1	551.2	551.1	551.4	551.2	549.6	547.6	547.5	545.7
15.5°	544.1	545.9	546.7	549.6	548.8	549.4	549.9	547.8	545.9	545.8	544.0
16°	541.8	544.1	545.0	547.3	547.4	547.9	548.3	546.6	544.5	543.3	542.1
16.5°	539.5	542.8	543.3	545.0	545.3	545.4	546.3	544.6	542.4	541.9	539.6
17°	537.6	540.0	542.1	543.6	542.6	544.2	543.5	542.1	540.4	539.7	538.4
17.5°	535.1	539.3	539.5	540.8	541.6	542.2	542.1	540.4	538.3	537.3	536.5
18°	533.3	536.7	537.4	538.4	539.4	539.5	539.8	539.8	535.8	536.0	533.8
18.5°	529.8	533.4	535.3	538.1	536.8	538.2	538.4	536.6	534.6	534.1	531.4
19°	528.6	531.7	533.0	535.4	535.4	536.2	536.3	534.3	531.9	531.1	529.5
19.5°	526.8	529.6	531.4	532.1	533.2	533.6	533.7	532.3	529.5	528.7	527.2
20°	524.9	528.5	529.1	530.4	531.3	531.3	531.4	529.5	527.7	527.4	524.4
20.5°	522.8	525.6	526.9	528.3	528.4	529.1	529.8	527.1	525.1	524.0	522.7
21°	519.7	523.7	524.4	525.7	526.6	526.8	528.0	525.2	523.0	522.0	519.3



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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°	512.4	516.0	516.8	519.6	518.6	519.9	519.8	517.5	515.2	514.2	510.9
23°	510.0	513.1	513.9	516.1	517.0	517.8	516.7	515.1	512.3	510.7	508.8
23.5°	507.5	510.5	512.0	513.6	513.7	515.2	514.2	512.5	510.1	508.1	506.6
24°	505.0	507.5	508.7	510.2	511.3	512.5	511.5	509.9	507.1	505.8	503.4
24.5°	501.1	504.4	506.4	507.9	508.3	509.7	509.0	506.8	503.5	503.5	500.0
25°	499.4	501.7	504.4	505.1	505.7	506.3	506.0	504.0	500.8	500.0	496.7
25.5°	495.4	498.9	501.0	502.7	503.2	503.1	503.2	500.8	498.1	496.2	493.5
26°	492.7	495.8	497.5	499.5	500.4	500.3	500.2	497.4	495.1	493.5	491.1
26.5°	490.7	492.5	494.8	496.2	497.2	498.0	496.7	494.4	491.9	490.8	487.5
27°	485.7	490.0	491.3	493.5	493.8	494.7	493.6	492.1	488.5	487.3	484.3
27.5°	482.5	487.2	488.1	490.1	490.2	491.0	490.9	488.6	485.4	484.2	481.3
28°	479.1	483.2	484.7	487.1	487.2	487.7	486.9	485.1	482.1	481.2	478.0
28.5°	475.7	479.6	482.1	483.5	485.2	484.1	483.9	481.7	478.9	477.6	474.5
29°	472.3	476.2	478.7	479.9	481.6	481.1	480.6	478.5	475.2	474.2	471.0
29.5°	469.3	473.0	475.1	477.0	477.5	477.5	477.1	475.1	472.3	470.1	467.6
30°	465.8	470.3	471.7	473.7	475.1	474.3	474.2	471.5	468.6	466.4	463.4
30.5°	461.7	466.7	468.5	470.2	471.3	470.9	470.1	468.0	464.9	463.5	460.6
31°	457.5	462.3	464.8	466.7	466.9	467.5	466.7	464.5	461.4	459.9	456.9
31.5°	454.3	459.5	461.2	463.2	463.7	463.7	463.6	461.0	457.6	456.7	453.6
32°	450.9	455.9	457.8	459.3	460.2	461.1	460.2	457.3	454.2	453.4	449.6
32.5°	447.4	451.9	454.2	455.9	456.9	456.7	456.7	453.7	451.0	448.7	445.6
33°	443.9	448.0	450.7	452.0	453.1	453.1	452.5	449.8	447.2	444.9	442.0
33.5°	440.0	444.5	447.1	448.5	449.6	449.4	449.2	445.9	443.3	441.0	437.6
34°	436.4	440.7	443.5	445.1	445.3	445.2	445.2	442.5	439.6	437.2	433.4
34.5°	432.2	436.1	439.5	441.4	441.9	441.5	441.4	439.1	435.3	433.0	429.1
35°	428.0	432.8	435.2	437.8	437.7	438.0	436.8	435.0	431.0	429.1	425.3
35.5°	424.3	428.7	431.2	433.1	433.8	434.3	432.8	431.9	427.5	425.5	421.7
36°	419.5	424.4	427.4	428.9	430.3	430.8	428.4	426.9	423.4	421.4	417.3
36.5°	416.0	420.6	423.1	425.1	426.1	426.4	424.4	422.0	418.9	417.2	413.6
37°	411.7	415.7	419.2	421.2	420.6	422.0	420.3	418.4	414.7	412.8	409.1
37.5°	407.3	412.0	414.6	415.9	416.9	416.6	415.8	413.8	410.6	408.1	404.6
38°	402.1	407.1	410.3	411.6	412.4	412.9	413.1	409.1	406.7	403.7	399.8
38.5°	397.9	403.0	405.0	406.8	408.8	407.9	408.2	404.5	402.1	398.8	395.6
39°	393.6	398.1	401.1	402.5	404.3	404.6	402.9	400.6	397.8	395.2	390.9
39.5°	388.6	393.8	396.6	398.4	400.0	400.1	397.9	396.1	391.8	389.8	386.0
40°	383.8	390.1	392.1	394.0	394.7	394.7	393.0	391.3	386.9	385.7	381.6
40.5°	379.5	384.3	387.5	389.0	389.4	389.9	388.9	385.3	382.4	381.6	376.9
41°	374.3	378.9	382.1	384.4	385.3	385.5	384.1	381.7	377.2	375.8	372.1
41.5°	369.3	373.7	377.1	379.3	380.4	380.6	378.9	377.4	373.0	370.2	366.5
42°	364.1	369.0	372.4	374.1	375.5	374.4	373.8	371.2	367.7	365.4	361.6
42.5°	358.8	363.5	367.0	368.3	371.2	370.2	368.4	366.0	362.3	360.6	356.3
43°	353.8	358.3	361.3	363.3	365.4	364.6	363.5	360.6	357.2	355.1	351.3
43.5°	348.4	352.9	356.1	358.4	359.9	359.5	357.6	355.1	352.0	349.8	345.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	332.0	336.5	340.0	341.2	343.0	343.4	341.3	339.0	335.7	333.1	330.0
45.5°	326.4	331.0	333.6	336.0	337.9	337.7	336.5	333.4	329.9	327.5	324.7
46°	320.9	325.1	328.6	330.7	331.7	331.7	330.4	327.6	324.4	322.2	319.0
46.5°	314.9	319.1	322.9	325.0	326.6	325.8	324.6	322.0	318.6	316.3	313.0
47°	310.0	313.4	316.7	318.3	320.1	320.4	318.3	316.0	313.2	310.7	307.6
47.5°	303.6	308.0	311.1	312.2	314.4	314.3	312.6	310.6	306.6	305.4	301.4
48°	298.1	301.9	305.4	306.2	309.0	308.2	306.9	305.0	301.4	299.6	296.0
48.5°	292.5	296.1	299.1	300.8	302.5	302.3	301.5	298.6	295.7	293.9	290.1
49°	286.2	290.0	293.1	294.8	296.6	296.1	294.7	292.7	290.1	288.0	284.7
49.5°	280.7	284.1	287.4	289.3	290.7	290.6	289.1	286.9	284.2	282.0	278.8
50°	274.5	278.0	281.2	282.5	284.5	285.0	282.8	280.7	278.1	276.1	273.2
50.5°	269.1	272.8	275.1	277.1	278.3	278.6	276.8	274.6	272.1	270.3	267.4
51°	263.0	266.9	269.0	271.2	272.8	271.7	271.2	269.0	266.4	265.1	262.1
51.5°	257.3	260.9	263.5	264.9	267.1	266.3	265.3	263.1	260.6	258.3	255.9
52°	250.8	254.6	257.3	259.4	261.1	260.2	258.9	257.3	255.0	253.1	250.0
52.5°	245.3	248.2	251.2	253.0	254.4	254.1	253.2	251.5	248.8	247.2	244.4
53°	239.6	242.5	245.2	247.0	248.0	248.9	246.9	245.0	242.6	240.9	238.9
53.5°	233.6	236.7	239.6	241.3	242.3	242.2	241.0	239.3	236.8	235.4	233.3
54°	227.9	230.7	234.0	235.1	236.1	236.0	234.8	233.6	231.2	229.4	227.3
54.5°	222.6	225.2	227.7	229.5	230.2	230.3	229.1	227.8	225.3	223.7	221.6
55°	216.4	219.2	221.8	223.6	224.0	224.2	223.2	221.6	219.1	217.7	215.7
55.5°	210.7	213.4	216.0	217.7	218.4	218.5	217.1	215.6	213.4	211.8	210.4
56°	205.2	207.6	210.4	212.0	212.7	212.4	211.0	210.0	207.5	206.2	204.8
56.5°	199.7	202.1	204.7	206.3	207.1	206.7	205.3	204.0	202.2	200.9	199.2
57°	194.0	196.3	199.2	200.3	201.3	200.7	200.1	198.2	196.2	194.9	193.9
57.5°	188.3	190.9	193.9	194.7	195.3	195.1	194.0	192.4	190.5	189.3	188.0
58°	182.7	185.5	188.1	189.3	189.9	189.5	188.3	186.9	184.9	183.9	182.4
58.5°	177.5	179.5	182.2	183.6	184.8	184.2	182.5	180.9	179.1	178.3	177.0
59°	172.1	174.2	176.9	177.7	179.1	178.6	177.0	175.7	173.8	172.6	171.6
59.5°	166.9	168.6	171.2	172.6	173.0	172.5	171.9	169.9	168.0	167.4	166.5
60°	161.6	163.2	166.0	167.5	168.0	167.1	166.1	164.7	162.8	162.1	161.2
60.5°	156.4	158.1	160.8	161.8	162.8	162.1	160.8	159.2	157.6	156.8	155.9
61°	151.2	152.9	155.6	156.8	157.6	156.6	155.1	153.7	152.1	151.4	150.7
61.5°	146.4	147.8	150.3	151.5	152.2	151.3	149.9	148.4	147.0	146.1	145.3
62°	141.3	142.7	145.1	146.2	147.3	146.0	144.7	143.2	141.7	141.1	140.5
62.5°	136.1	137.9	140.0	141.2	142.0	141.0	139.6	138.6	136.7	135.9	135.5
63°	131.4	133.0	135.0	136.1	136.9	135.6	134.7	133.0	131.8	131.2	130.4
63.5°	126.6	128.3	130.2	131.5	131.7	131.0	129.5	128.2	127.1	126.5	126.0
64°	121.8	123.5	125.6	126.8	127.1	126.3	124.9	123.2	122.1	121.7	121.5
64.5°	117.4	118.9	121.0	121.9	122.4	121.5	120.1	118.6	117.3	117.0	116.4
65°	113.1	114.5	116.2	117.2	117.5	116.7	115.2	114.2	112.9	112.7	111.8
65.5°	108.5	109.8	111.9	112.8	113.1	112.2	110.9	109.5	108.4	107.8	107.7
66°	104.2	105.7	107.5	108.3	108.6	107.6	106.2	104.8	103.7	103.4	102.9





TEST NUMBER: P639513

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	92.1	93.4	95.2	96.0	95.4	94.8	93.5	92.2	91.0	90.6	90.4
68°	88.3	89.4	91.0	92.0	91.6	90.7	89.4	87.9	86.9	86.7	86.4
68.5°	84.4	85.7	87.0	88.1	87.6	86.7	85.2	83.8	82.7	82.7	82.2
69°	80.5	81.9	83.2	84.1	83.8	82.9	81.5	80.2	79.1	78.7	78.3
69.5°	76.7	78.1	79.5	80.3	80.4	79.2	77.8	76.3	75.3	75.0	74.7
70°	73.2	74.5	76.0	76.5	76.7	75.7	74.3	72.9	71.8	71.4	71.2
70.5°	69.7	70.9	72.3	73.0	73.2	72.2	70.9	69.4	68.4	68.0	67.7
71°	66.2	67.6	68.7	69.5	69.7	68.8	67.4	66.0	64.9	64.5	64.2
71.5°	62.6	64.1	65.2	65.9	66.3	65.2	63.8	62.7	61.4	60.9	60.8
72°	59.5	60.6	61.8	62.5	63.0	62.0	60.5	59.3	58.1	57.7	57.5
72.5°	56.0	57.1	58.5	59.0	59.6	58.8	57.3	55.9	55.1	54.5	54.2
73°	52.9	54.2	55.2	55.7	56.4	55.5	54.1	52.8	51.9	51.3	51.0
73.5°	49.9	51.2	52.1	52.6	53.4	52.4	51.0	49.7	48.7	48.3	47.9
74°	47.2	48.3	49.3	49.5	50.5	49.3	48.0	46.8	45.7	45.1	44.7
74.5°	44.3	45.5	46.3	46.7	47.5	46.3	45.1	43.9	42.8	42.4	42.1
75°	41.8	42.8	43.6	43.8	44.6	43.6	42.4	41.2	40.1	39.5	39.4
75.5°	39.0	40.1	41.1	41.2	41.9	41.1	39.6	38.6	37.4	36.9	36.7
76°	36.6	37.6	38.3	38.5	39.2	38.3	37.0	36.1	35.0	34.5	34.2
76.5°	34.3	35.3	36.0	36.1	36.7	35.9	34.6	33.4	32.4	31.9	31.6
77°	32.0	33.0	33.6	33.8	34.3	33.4	32.2	31.1	30.0	29.6	29.4
77.5°	29.8	30.7	31.4	31.5	32.0	31.1	29.9	29.0	28.0	27.4	27.2
78°	27.8	28.6	29.3	29.4	29.7	29.0	28.0	26.9	26.0	25.3	25.0
78.5°	25.8	26.8	27.4	27.4	27.7	26.8	25.9	24.9	23.9	23.5	23.2
79°	24.1	24.9	25.3	25.3	25.6	24.9	23.8	23.3	22.4	21.8	21.6
79.5°	22.6	23.3	23.8	23.8	23.6	23.2	22.5	21.5	20.6	20.1	19.8
80°	20.9	21.7	22.1	22.1	22.1	21.6	20.7	19.8	19.0	18.6	18.2
80.5°	19.4	20.1	20.6	20.5	20.5	19.9	19.1	18.4	17.6	17.1	16.7
81°	18.0	18.7	19.0	19.0	18.9	18.4	17.6	16.9	16.3	15.8	15.4
81.5°	16.6	17.2	17.6	17.6	17.3	16.9	16.2	15.6	15.0	14.6	14.3
82°	15.5	16.0	16.4	16.3	16.1	15.6	15.0	14.4	13.9	13.5	13.2
82.5°	14.4	14.9	15.2	15.1	14.8	14.4	14.0	13.3	12.8	12.4	12.0
83°	13.3	13.8	14.2	14.2	13.8	13.3	12.9	12.4	11.7	11.4	10.9
83.5°	12.2	12.7	13.1	13.1	12.6	12.3	11.8	11.2	10.7	10.2	9.9
84°	11.3	11.7	12.1	12.1	11.7	11.3	10.8	10.2	9.7	9.3	8.9
84.5°	10.2	10.7	11.1	11.1	10.7	10.4	9.9	9.4	8.7	8.3	7.9
85°	9.3	9.8	10.1	10.1	9.8	9.5	8.8	8.4	7.7	7.3	6.7
85.5°	8.2	8.8	9.2	9.2	8.8	8.5	8.0	7.3	6.6	6.3	5.8
86°	7.2	7.8	8.2	8.2	7.8	7.5	7.0	6.3	5.8	5.2	5.1
86.5°	6.2	6.8	7.2	7.3	6.9	6.5	6.1	5.4	5.1	4.3	3.8
87°	5.2	5.9	6.2	6.3	6.1	5.7	5.1	4.4	3.8	3.3	2.9
87.5°	4.3	5.0	5.3	5.4	5.1	5.0	4.1	3.6	3.0	2.4	2.1
88°	3.3	3.9	4.4	4.5	4.1	3.8	3.3	2.6	2.0	1.6	1.1
88.5°	2.6	3.2	3.4	3.5	3.3	2.9	2.4	1.8	1.2	0.6	0.5



TEST NUMBER: P639513  
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -5000K

**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: P639513

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	574.6	574.6	574.6	574.6	574.6	574.6
0.5°	574.1	574.0	574.7	575.3	573.9	573.8
1°	573.7	573.3	573.6	574.6	574.1	573.7
1.5°	573.5	572.9	573.3	573.8	574.9	573.7
2°	573.4	572.3	573.3	573.8	574.9	572.6
2.5°	572.4	571.3	572.8	574.0	573.6	572.5
3°	572.4	571.3	572.1	573.4	572.9	572.6
3.5°	572.3	570.9	572.1	572.9	572.6	572.2
4°	572.0	571.3	571.5	572.1	572.3	570.6
4.5°	571.6	571.2	571.7	571.8	571.4	570.0
5°	571.9	570.5	569.7	571.1	570.4	569.8
5.5°	571.3	569.0	569.6	569.7	569.1	568.7
6°	568.6	567.7	568.2	569.5	569.1	568.7
6.5°	567.4	566.8	568.1	568.4	567.3	568.6
7°	566.7	566.6	567.2	567.4	567.0	567.0
7.5°	566.0	565.1	564.7	566.9	566.3	565.8
8°	565.8	564.4	564.0	565.5	565.5	565.0
8.5°	563.8	562.7	563.1	564.4	564.5	564.6
9°	562.9	561.7	561.2	562.6	563.2	563.1
9.5°	562.0	560.3	560.6	561.7	562.4	561.5
10°	560.7	559.6	560.4	561.0	561.1	561.3
10.5°	559.0	558.4	558.5	559.2	560.1	559.4
11°	558.9	558.1	558.0	558.0	557.4	558.1
11.5°	556.9	556.7	556.7	556.2	556.5	556.8
12°	556.2	554.4	553.4	554.7	555.4	555.0
12.5°	553.8	552.6	551.7	553.4	553.3	553.3
13°	551.3	550.6	550.8	552.2	552.0	552.9
13.5°	550.2	548.8	549.8	550.6	550.4	550.7
14°	549.2	546.6	547.9	548.7	548.9	549.3
14.5°	547.1	545.4	545.8	546.5	546.1	547.5
15°	545.1	542.9	544.5	543.9	545.6	546.1
15.5°	542.6	540.8	541.5	542.2	543.3	544.1
16°	540.6	538.6	539.6	539.6	541.0	541.8
16.5°	539.0	536.5	537.5	539.6	538.9	539.5
17°	536.8	534.6	535.7	536.8	537.8	537.6
17.5°	534.8	533.0	534.3	533.2	534.9	535.1
18°	533.2	530.3	531.5	531.6	532.0	533.3
18.5°	529.8	529.1	528.1	529.0	530.4	529.8
19°	528.0	527.0	525.9	528.2	528.2	528.6
19.5°	525.6	524.2	523.5	524.8	526.3	526.8
20°	523.1	522.1	521.1	522.7	523.7	524.9
20.5°	519.8	519.4	518.8	520.9	521.7	522.8
21°	517.6	516.4	516.5	517.3	518.2	519.7

TEST NUMBER: P639513

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	510.3	507.1	507.7	509.7	509.8	512.4
23°	507.0	504.6	504.6	507.1	508.2	510.0
23.5°	504.7	501.6	502.4	503.9	505.1	507.5
24°	501.4	499.0	499.4	500.3	501.9	505.0
24.5°	498.5	495.4	496.4	498.0	499.3	501.1
25°	495.3	491.8	493.2	495.6	496.7	499.4
25.5°	491.8	489.5	489.8	492.1	493.4	495.4
26°	489.2	486.2	487.1	488.8	490.9	492.7
26.5°	486.0	482.7	484.2	485.5	487.1	490.7
27°	482.6	479.7	480.4	482.5	483.9	485.7
27.5°	479.1	476.3	476.9	479.5	481.1	482.5
28°	476.1	473.9	473.9	477.3	477.4	479.1
28.5°	472.8	470.1	470.5	473.1	473.9	475.7
29°	468.9	466.4	467.1	469.6	470.5	472.3
29.5°	465.0	462.1	463.6	465.3	467.1	469.3
30°	461.7	459.1	459.5	462.3	463.8	465.8
30.5°	458.1	455.7	456.2	458.9	460.0	461.7
31°	454.7	452.4	452.4	455.5	456.4	457.5
31.5°	451.3	448.8	448.7	451.1	452.8	454.3
32°	446.7	444.9	444.6	447.3	449.4	450.9
32.5°	442.7	440.9	440.8	443.1	445.6	447.4
33°	438.8	436.1	437.3	439.6	442.0	443.9
33.5°	435.1	432.9	433.6	435.9	437.9	440.0
34°	431.4	428.4	429.4	431.6	434.2	436.4
34.5°	427.6	424.6	425.5	428.2	430.3	432.2
35°	424.0	421.1	421.6	424.1	426.5	428.0
35.5°	419.6	417.7	417.7	419.7	421.8	424.3
36°	414.8	413.3	413.9	416.1	418.1	419.5
36.5°	411.1	409.0	409.1	411.5	413.3	416.0
37°	407.4	404.9	404.4	407.5	409.8	411.7
37.5°	403.0	400.1	400.3	402.7	405.5	407.3
38°	398.0	395.4	396.4	398.4	401.0	402.1
38.5°	393.6	390.7	392.2	394.2	396.1	397.9
39°	389.1	386.3	387.1	389.6	391.4	393.6
39.5°	383.8	382.4	382.7	385.4	386.7	388.6
40°	379.3	377.6	377.6	380.6	382.3	383.8
40.5°	374.7	372.9	373.6	375.8	377.1	379.5
41°	369.3	367.6	368.6	371.1	372.4	374.3
41.5°	365.0	361.7	363.9	366.2	367.6	369.3
42°	360.1	356.9	359.2	360.7	362.5	364.1
42.5°	354.3	352.2	353.4	355.4	358.0	358.8
43°	349.3	347.2	347.7	350.5	352.4	353.8
43.5°	343.7	342.2	342.2	345.2	347.2	348.4

TEST NUMBER: P639513

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	328.2	325.4	326.5	329.1	331.0	332.0
45.5°	322.6	320.1	321.1	323.8	325.0	326.4
46°	317.0	314.7	315.7	319.0	320.3	320.9
46.5°	311.1	309.4	310.9	312.8	314.1	314.9
47°	305.8	303.9	304.8	307.2	308.8	310.0
47.5°	300.1	298.3	299.7	302.0	302.7	303.6
48°	294.7	292.8	293.6	296.7	297.5	298.1
48.5°	288.7	287.1	288.5	290.2	291.5	292.5
49°	282.6	281.3	283.1	285.2	285.9	286.2
49.5°	277.1	276.1	277.4	279.5	279.7	280.7
50°	272.1	270.1	272.6	273.9	273.8	274.5
50.5°	265.8	264.7	266.4	268.3	268.9	269.1
51°	260.0	259.2	261.1	262.6	263.2	263.0
51.5°	254.3	253.9	254.8	257.1	257.3	257.3
52°	248.9	248.0	249.4	251.4	251.0	250.8
52.5°	243.1	242.6	244.2	245.6	245.4	245.3
53°	237.8	236.8	239.0	240.3	240.0	239.6
53.5°	232.1	231.2	233.0	234.3	234.2	233.6
54°	226.5	225.9	227.1	229.2	228.1	227.9
54.5°	220.9	220.0	221.1	223.5	222.8	222.6
55°	215.4	214.8	216.1	217.6	216.9	216.4
55.5°	209.8	209.0	210.6	211.6	211.4	210.7
56°	204.5	203.6	204.7	206.4	205.7	205.2
56.5°	199.0	197.8	199.2	201.1	200.6	199.7
57°	193.7	192.7	194.2	195.5	194.9	194.0
57.5°	187.9	186.8	188.8	189.7	189.0	188.3
58°	182.3	181.5	183.2	184.3	183.7	182.7
58.5°	177.2	176.3	177.8	179.1	178.1	177.5
59°	171.9	171.3	172.3	173.9	172.8	172.1
59.5°	166.5	165.8	167.5	168.4	167.7	166.9
60°	161.3	160.7	161.9	163.4	162.2	161.6
60.5°	156.4	155.4	156.8	158.1	157.2	156.4
61°	151.4	150.6	151.9	152.9	152.2	151.2
61.5°	145.9	145.8	147.0	147.9	147.1	146.4
62°	140.9	140.5	142.0	142.5	141.6	141.3
62.5°	136.1	135.7	137.0	137.7	136.7	136.1
63°	131.1	131.1	132.1	133.1	132.1	131.4
63.5°	126.3	126.5	127.8	128.2	127.3	126.6
64°	121.5	121.8	122.6	123.5	122.5	121.8
64.5°	116.7	117.0	118.2	118.8	117.9	117.4
65°	112.5	112.7	113.6	114.2	113.3	113.1
65.5°	108.1	108.2	109.5	109.5	108.9	108.5
66°	103.4	103.5	104.8	105.5	104.6	104.2



TEST NUMBER: P639513

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	91.0	91.2	92.2	92.6	92.3	92.1
68°	86.9	87.3	88.3	88.6	88.3	88.3
68.5°	82.8	83.3	84.0	84.6	84.4	84.4
69°	78.8	79.2	80.1	80.7	80.5	80.5
69.5°	75.1	75.5	76.2	76.7	76.6	76.7
70°	71.6	71.4	72.5	73.2	73.0	73.2
70.5°	68.3	67.7	69.0	69.4	69.5	69.7
71°	64.6	64.1	65.0	65.9	66.1	66.2
71.5°	61.2	60.7	61.6	62.3	62.5	62.6
72°	57.7	57.2	58.1	58.8	59.1	59.5
72.5°	54.6	53.8	54.6	55.4	55.7	56.0
73°	51.2	50.3	51.1	52.0	52.4	52.9
73.5°	48.2	47.2	47.9	48.8	49.4	49.9
74°	45.2	44.1	44.9	45.9	46.4	47.2
74.5°	42.2	41.4	42.0	42.8	43.6	44.3
75°	39.5	38.6	39.3	40.2	41.0	41.8
75.5°	36.8	36.0	36.6	37.5	38.2	39.0
76°	34.2	33.4	34.1	35.0	35.9	36.6
76.5°	31.7	31.1	31.6	32.6	33.4	34.3
77°	29.4	28.9	29.4	30.3	31.1	32.0
77.5°	27.2	26.7	27.3	28.1	29.0	29.8
78°	25.0	24.6	25.1	26.1	27.0	27.8
78.5°	23.2	23.0	23.4	24.2	25.0	25.8
79°	21.4	21.3	21.8	22.6	23.4	24.1
79.5°	19.7	19.6	20.0	20.9	21.8	22.6
80°	18.0	18.1	18.6	19.3	20.1	20.9
80.5°	16.6	16.7	17.1	17.9	18.7	19.4
81°	15.3	15.6	16.0	16.5	17.3	18.0
81.5°	14.2	14.5	14.9	15.5	16.0	16.6
82°	13.0	13.4	13.8	14.3	15.0	15.5
82.5°	11.9	12.3	12.6	13.2	13.8	14.4
83°	10.9	11.1	11.5	12.1	12.7	13.3
83.5°	9.8	10.1	10.4	11.1	11.7	12.2
84°	8.7	9.2	9.5	10.0	10.6	11.3
84.5°	7.7	8.1	8.4	9.1	9.7	10.2
85°	6.6	7.0	7.5	8.0	8.6	9.3
85.5°	5.6	6.0	6.4	7.0	7.6	8.2
86°	4.7	5.1	5.5	5.9	6.6	7.2
86.5°	3.8	4.0	4.5	5.0	5.7	6.2
87°	2.8	3.2	3.5	4.0	4.7	5.2
87.5°	1.9	2.2	2.7	3.2	3.6	4.3
88°	0.9	1.3	1.6	2.2	2.9	3.3
88.5°	0.2	0.6	0.9	1.3	1.9	2.6



TEST NUMBER: P639513  
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -5000K

**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°	517.9	520.7	522.3	524.1	524.5	525.3	524.9	522.1	520.1	519.3	516.9
22°	514.7	517.6	519.1	522.0	521.7	523.2	522.0	520.4	517.7	517.0	513.9



44°	342.6	347.4	350.9	353.2	354.3	354.4	352.4	350.1	346.4	344.4	340.8
44.5°	337.9	341.9	344.5	347.3	348.5	348.1	347.4	344.8	341.4	338.2	334.8



66.5°	100.1	101.5	103.0	104.0	103.9	103.0	101.9	100.5	99.3	99.0	98.7
67°	96.2	97.2	98.9	99.8	99.9	98.7	97.4	96.1	95.1	94.9	94.4



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°	515.5	513.2	513.6	514.6	516.0	517.9
22°	512.0	509.7	511.2	512.4	512.9	514.7



44°	338.6	336.5	337.2	340.2	342.1	342.6
44.5°	333.7	330.7	331.8	335.3	336.4	337.9



66.5°	99.2	99.4	100.5	101.0	100.4	100.1
67°	95.1	95.4	96.3	96.8	96.3	96.2

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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)