

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: P639512

Luminaire Tested: RL6LS9FSD2W1EWHDM -1200LM -4000K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639512
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 -4000K
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

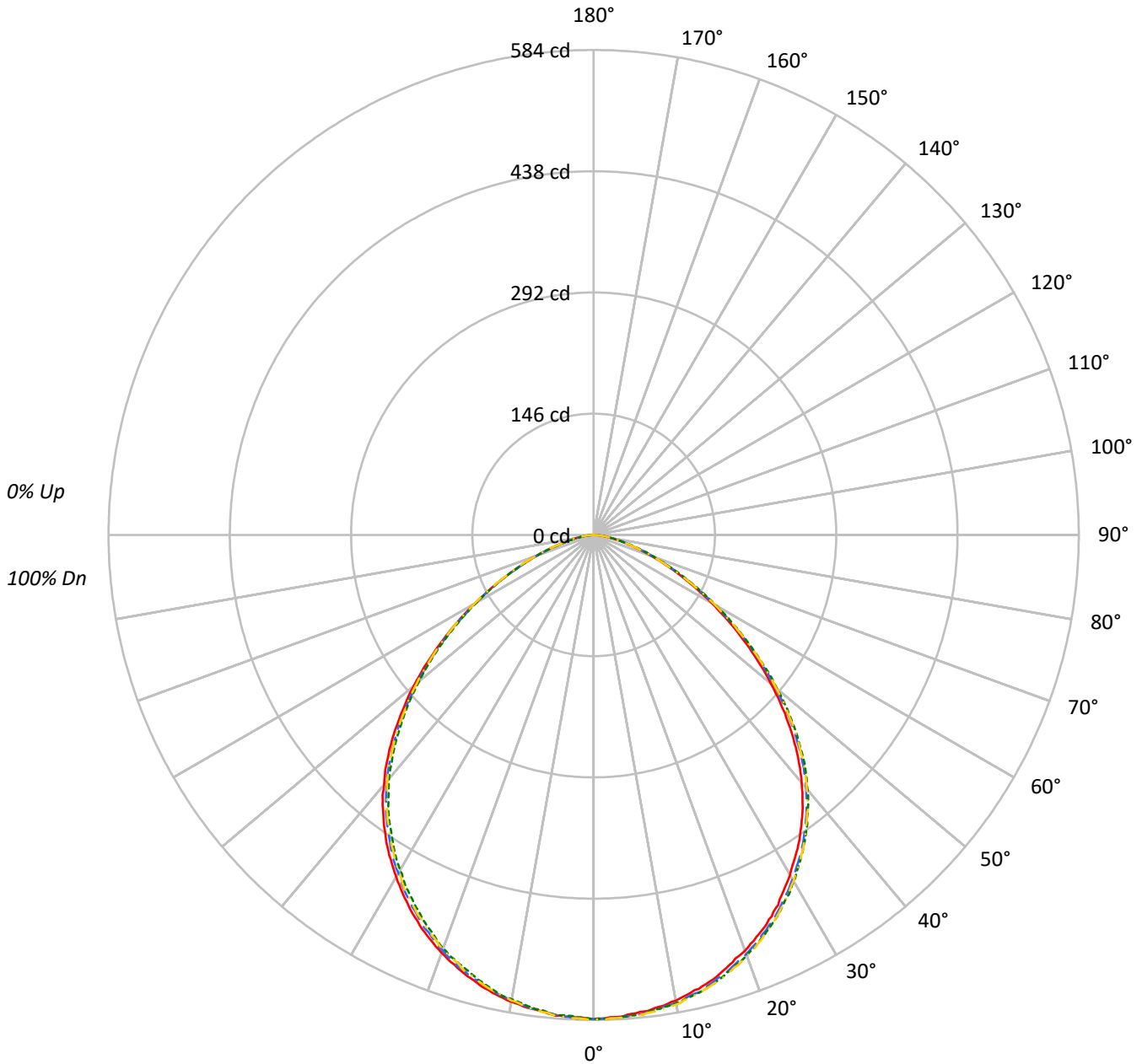
Lumens per Lamp: N/A
Luminaire Lumens: 1350.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	31971	31971	31971	31971
5°	31829	31956	31906	31868
10°	31713	31874	31780	31618
15°	31459	31748	31544	31277
20°	31083	31462	31246	30914
25°	30661	31048	30746	30195
30°	29929	30524	30106	29498
35°	29071	29734	29279	28603
40°	27874	28668	28103	27423
45°	26119	26987	26414	25600
50°	23769	24630	24076	23385
55°	20998	21734	21256	20845
60°	17992	18705	18124	17882
65°	14891	15475	14865	14839
70°	11909	12486	11685	11621
75°	8981	9595	8621	8303
80°	6693	7072	6093	5809
85°	5913	6227	4906	4466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°

Vertical Angle: 45°

Luminance: 27018 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	4.1
10°-20°	156.7	11.6
20°-30°	233.6	17.3
30°-40°	272.6	20.2
40°-50°	261.2	19.3
50°-60°	199.1	14.7
60°-70°	116.0	8.6
70°-80°	46.1	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°	445.3	33.0
0°-40°	717.9	53.2
0°-60°	1178.1	87.3
0°-90°	1350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1350.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	583	583	583	583	583	
5°	578	581	580	579	578	55
15°	554	559	556	551	554	156
25°	507	513	508	499	507	233
35°	434	444	438	427	434	271
45°	337	348	341	330	337	259
55°	220	227	222	218	220	197
65°	115	119	115	114	115	115
75°	42	45	41	39	42	46
85°	9	10	8	7	9	11
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°	583.2	583.2	583.2	583.2	583.2	583.2	583.2	583.2	583.2	583.2	583.2
0.5°	582.4	583.2	583.2	583.3	582.9	583.2	583.6	582.7	582.5	583.1	583.1
1°	582.3	583.0	582.7	582.9	582.9	583.1	584.1	583.5	582.0	583.0	582.6
1.5°	582.3	582.9	582.4	583.2	582.7	582.9	583.6	583.8	581.3	582.7	582.3
2°	581.2	582.6	582.1	583.2	582.6	581.9	582.5	583.6	581.3	582.9	582.7
2.5°	581.1	583.2	582.3	582.8	582.4	582.4	582.5	582.5	581.1	582.4	582.3
3°	581.2	582.6	582.2	583.4	581.8	582.7	582.4	582.4	581.0	581.9	581.2
3.5°	580.8	582.0	581.5	583.4	581.0	582.7	582.4	582.7	581.0	582.2	581.5
4°	579.2	581.3	581.4	582.7	581.0	582.9	582.2	581.1	580.3	582.9	579.9
4.5°	578.6	580.7	580.7	581.3	580.7	582.6	582.0	580.5	580.8	582.0	579.9
5°	578.4	580.9	580.1	581.2	580.7	581.8	581.4	580.5	579.8	580.1	578.6
5.5°	577.2	580.8	580.1	580.7	580.8	580.2	581.2	580.3	578.9	579.8	577.7
6°	577.2	579.7	579.6	579.9	580.2	579.9	580.3	579.4	577.5	579.6	577.5
6.5°	577.1	577.9	577.8	579.5	578.4	578.9	579.3	578.3	576.6	577.7	577.1
7°	575.5	577.5	577.5	578.6	576.9	578.4	578.7	577.7	576.0	577.5	576.2
7.5°	574.3	576.1	576.5	578.1	576.1	576.8	578.6	577.3	575.1	576.5	575.4
8°	573.5	575.2	575.5	576.7	576.1	575.9	577.1	576.1	575.0	574.9	573.7
8.5°	573.1	574.4	574.4	576.5	574.8	575.9	576.2	575.8	573.9	574.1	572.7
9°	571.6	574.1	573.9	574.7	574.6	574.9	575.3	574.6	572.5	573.1	571.8
9.5°	569.9	573.0	572.9	574.4	573.7	573.6	575.1	573.9	571.5	572.9	570.8
10°	569.7	571.4	572.1	573.2	572.6	572.7	574.2	572.3	570.9	571.2	570.1
10.5°	567.8	570.9	570.6	571.6	572.4	572.3	573.0	571.1	570.0	570.7	568.1
11°	566.5	569.1	569.6	571.3	570.1	570.0	570.8	570.0	568.5	568.0	566.4
11.5°	565.2	567.5	567.8	569.1	569.0	568.8	570.0	568.1	567.2	567.6	565.3
12°	563.3	566.5	566.5	567.8	567.9	568.8	569.2	567.0	565.8	565.8	564.0
12.5°	561.6	565.0	565.5	566.7	566.5	567.9	567.0	566.0	564.5	564.8	562.3
13°	561.2	563.4	565.4	564.9	565.8	566.2	565.9	564.0	562.6	564.0	560.9
13.5°	559.0	561.0	562.9	564.0	564.0	564.7	564.1	563.3	561.5	561.7	558.6
14°	557.6	559.7	560.8	561.9	562.6	563.0	562.8	561.5	560.0	559.1	557.1
14.5°	555.7	559.1	559.0	560.9	560.4	562.3	561.3	560.0	557.7	557.9	554.9
15°	554.3	557.2	557.3	559.5	559.4	559.7	559.5	557.9	555.8	555.7	553.9
15.5°	552.3	554.1	554.9	557.9	557.0	557.7	558.2	556.0	554.1	554.0	552.2
16°	549.9	552.3	553.2	555.5	555.6	556.1	556.5	554.8	552.7	551.5	550.2
16.5°	547.6	551.0	551.5	553.2	553.5	553.6	554.5	552.8	550.5	550.0	547.7
17°	545.7	548.1	550.2	551.8	550.7	552.4	551.7	550.2	548.5	547.8	546.5
17.5°	543.1	547.4	547.6	548.9	549.7	550.3	550.2	548.5	546.4	545.4	544.6
18°	541.3	544.8	545.5	546.5	547.5	547.6	547.9	547.9	543.8	544.1	541.8
18.5°	537.8	541.4	543.3	546.2	544.9	546.3	546.5	544.7	542.6	542.1	539.4
19°	536.5	539.7	541.0	543.4	543.4	544.3	544.4	542.3	539.9	539.1	537.5
19.5°	534.7	537.6	539.4	540.1	541.2	541.6	541.7	540.3	537.5	536.6	535.1
20°	532.8	536.4	537.0	538.4	539.3	539.3	539.4	537.4	535.6	535.3	532.3
20.5°	530.6	533.5	534.8	536.2	536.3	537.0	537.8	535.0	533.0	531.9	530.5
21°	527.5	531.6	532.3	533.6	534.5	534.7	535.9	533.1	530.9	529.8	527.1



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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°	520.1	523.7	524.6	527.4	526.4	527.7	527.6	525.3	522.9	521.9	518.6
23°	517.7	520.8	521.6	523.8	524.8	525.6	524.5	522.8	520.0	518.4	516.4
23.5°	515.1	518.2	519.7	521.3	521.4	522.9	521.9	520.2	517.8	515.7	514.2
24°	512.6	515.1	516.3	517.9	519.0	520.2	519.2	517.6	514.7	513.4	511.0
24.5°	508.6	512.0	514.0	515.5	515.9	517.3	516.6	514.4	511.1	511.1	507.5
25°	506.9	509.2	512.0	512.7	513.3	513.9	513.6	511.6	508.3	507.5	504.2
25.5°	502.8	506.4	508.5	510.2	510.8	510.6	510.7	508.3	505.6	503.6	500.9
26°	500.1	503.2	505.0	507.0	507.9	507.8	507.7	504.9	502.5	500.9	498.5
26.5°	498.1	499.9	502.2	503.6	504.7	505.5	504.2	501.8	499.3	498.2	494.8
27°	493.0	497.4	498.7	500.9	501.2	502.1	501.0	499.5	495.8	494.6	491.6
27.5°	489.7	494.5	495.4	497.5	497.6	498.4	498.3	495.9	492.7	491.5	488.5
28°	486.3	490.4	492.0	494.4	494.5	495.0	494.2	492.4	489.3	488.4	485.2
28.5°	482.8	486.8	489.3	490.8	492.5	491.4	491.2	488.9	486.1	484.8	481.6
29°	479.4	483.3	485.9	487.1	488.8	488.3	487.8	485.7	482.3	481.3	478.1
29.5°	476.3	480.1	482.2	484.2	484.7	484.7	484.3	482.2	479.4	477.1	474.6
30°	472.8	477.3	478.8	480.8	482.2	481.4	481.3	478.6	475.6	473.4	470.3
30.5°	468.6	473.7	475.5	477.2	478.4	478.0	477.1	475.0	471.9	470.4	467.5
31°	464.4	469.2	471.8	473.7	473.9	474.5	473.7	471.5	468.3	466.8	463.7
31.5°	461.1	466.4	468.1	470.1	470.6	470.7	470.5	467.9	464.5	463.5	460.4
32°	457.7	462.7	464.7	466.2	467.1	468.0	467.1	464.2	461.0	460.2	456.3
32.5°	454.1	458.7	461.0	462.7	463.7	463.5	463.5	460.5	457.8	455.4	452.3
33°	450.5	454.7	457.5	458.8	459.9	459.9	459.3	456.5	453.9	451.6	448.6
33.5°	446.6	451.2	453.8	455.2	456.3	456.1	455.9	452.6	449.9	447.6	444.2
34°	442.9	447.3	450.1	451.8	452.0	451.9	451.9	449.1	446.2	443.7	439.9
34.5°	438.7	442.6	446.1	448.0	448.5	448.1	448.0	445.7	441.8	439.5	435.5
35°	434.4	439.3	441.7	444.4	444.3	444.6	443.3	441.5	437.5	435.5	431.7
35.5°	430.7	435.1	437.7	439.6	440.3	440.8	439.3	438.4	433.9	431.9	428.0
36°	425.8	430.8	433.8	435.3	436.7	437.2	434.8	433.3	429.7	427.7	423.5
36.5°	422.2	426.9	429.4	431.5	432.5	432.8	430.8	428.3	425.2	423.4	419.8
37°	417.9	421.9	425.5	427.5	426.9	428.3	426.6	424.7	420.9	419.0	415.2
37.5°	413.4	418.2	420.8	422.1	423.1	422.8	422.0	420.0	416.7	414.2	410.7
38°	408.1	413.2	416.4	417.8	418.6	419.1	419.3	415.2	412.8	409.7	405.8
38.5°	403.9	409.0	411.1	412.9	414.9	414.0	414.3	410.5	408.1	404.8	401.5
39°	399.5	404.1	407.1	408.5	410.3	410.7	408.9	406.6	403.7	401.1	396.7
39.5°	394.4	399.7	402.5	404.4	406.0	406.1	403.9	402.0	397.7	395.6	391.8
40°	389.5	395.9	398.0	399.9	400.6	400.6	398.9	397.2	392.7	391.5	387.3
40.5°	385.2	390.0	393.3	394.8	395.2	395.7	394.7	391.1	388.1	387.3	382.5
41°	379.9	384.6	387.8	390.1	391.1	391.3	389.8	387.4	382.8	381.4	377.7
41.5°	374.8	379.3	382.7	385.0	386.1	386.3	384.6	383.0	378.6	375.7	372.0
42°	369.5	374.5	378.0	379.7	381.1	380.0	379.4	376.7	373.2	370.9	367.0
42.5°	364.2	368.9	372.5	373.8	376.7	375.7	373.9	371.5	367.7	366.0	361.6
43°	359.1	363.6	366.7	368.7	370.9	370.0	368.9	366.0	362.5	360.4	356.5
43.5°	353.6	358.2	361.4	363.7	365.3	364.9	362.9	360.4	357.3	355.0	351.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	336.9	341.5	345.1	346.3	348.1	348.5	346.4	344.1	340.7	338.1	334.9
45.5°	331.3	335.9	338.6	341.0	342.9	342.7	341.5	338.4	334.8	332.4	329.5
46°	325.7	329.9	333.5	335.6	336.6	336.6	335.3	332.5	329.2	327.0	323.8
46.5°	319.6	323.9	327.7	329.8	331.5	330.7	329.4	326.8	323.3	321.0	317.7
47°	314.6	318.1	321.4	323.0	324.9	325.2	323.0	320.7	317.9	315.3	312.2
47.5°	308.1	312.6	315.7	316.8	319.1	319.0	317.3	315.2	311.2	309.9	305.9
48°	302.6	306.4	309.9	310.8	313.6	312.8	311.5	309.5	305.9	304.2	300.5
48.5°	296.9	300.6	303.6	305.3	307.0	306.8	306.0	303.1	300.2	298.4	294.5
49°	290.6	294.4	297.6	299.3	301.1	300.6	299.2	297.2	294.5	292.4	289.0
49.5°	285.0	288.4	291.8	293.7	295.1	295.0	293.5	291.3	288.5	286.3	283.0
50°	278.7	282.2	285.5	286.8	288.8	289.3	287.1	285.0	282.3	280.3	277.4
50.5°	273.2	276.9	279.3	281.3	282.5	282.8	281.0	278.8	276.2	274.4	271.5
51°	267.0	271.0	273.1	275.3	276.9	275.8	275.3	273.1	270.4	269.1	266.1
51.5°	261.2	264.9	267.5	268.9	271.2	270.3	269.3	267.1	264.6	262.2	259.8
52°	254.6	258.5	261.2	263.3	265.1	264.2	262.8	261.2	258.9	256.9	253.8
52.5°	249.0	252.0	255.0	256.8	258.3	258.0	257.0	255.3	252.6	251.0	248.1
53°	243.2	246.2	248.9	250.8	251.8	252.7	250.7	248.7	246.3	244.6	242.5
53.5°	237.2	240.3	243.2	245.0	246.0	245.9	244.7	242.9	240.4	239.0	236.8
54°	231.4	234.2	237.6	238.7	239.7	239.6	238.4	237.2	234.7	232.9	230.8
54.5°	226.0	228.6	231.2	233.0	233.7	233.8	232.6	231.3	228.7	227.1	225.0
55°	219.7	222.5	225.2	227.0	227.4	227.6	226.6	225.0	222.4	221.0	219.0
55.5°	213.9	216.6	219.3	221.0	221.7	221.8	220.4	218.9	216.6	215.0	213.6
56°	208.3	210.8	213.6	215.2	215.9	215.6	214.2	213.2	210.7	209.3	207.9
56.5°	202.7	205.2	207.8	209.4	210.2	209.8	208.4	207.1	205.3	204.0	202.2
57°	197.0	199.3	202.2	203.3	204.4	203.8	203.1	201.2	199.2	197.9	196.8
57.5°	191.2	193.8	196.8	197.7	198.3	198.1	196.9	195.3	193.4	192.2	190.9
58°	185.5	188.3	191.0	192.2	192.8	192.4	191.2	189.7	187.7	186.7	185.2
58.5°	180.2	182.2	185.0	186.4	187.6	187.0	185.3	183.7	181.8	181.0	179.7
59°	174.7	176.8	179.6	180.4	181.8	181.3	179.7	178.4	176.4	175.2	174.2
59.5°	169.4	171.2	173.8	175.2	175.6	175.1	174.5	172.5	170.6	169.9	169.0
60°	164.1	165.7	168.5	170.0	170.6	169.6	168.6	167.2	165.3	164.6	163.7
60.5°	158.8	160.5	163.2	164.3	165.3	164.6	163.2	161.6	160.0	159.2	158.3
61°	153.5	155.2	158.0	159.2	160.0	159.0	157.5	156.0	154.4	153.7	153.0
61.5°	148.6	150.0	152.6	153.8	154.5	153.6	152.2	150.7	149.2	148.3	147.5
62°	143.4	144.9	147.3	148.4	149.5	148.2	146.9	145.4	143.9	143.2	142.6
62.5°	138.2	140.0	142.1	143.3	144.2	143.1	141.7	140.7	138.8	138.0	137.6
63°	133.4	135.0	137.1	138.2	139.0	137.7	136.7	135.0	133.8	133.2	132.4
63.5°	128.5	130.2	132.2	133.5	133.7	133.0	131.5	130.1	129.0	128.4	127.9
64°	123.7	125.4	127.5	128.7	129.0	128.2	126.8	125.1	124.0	123.5	123.3
64.5°	119.2	120.7	122.8	123.8	124.3	123.3	121.9	120.4	119.1	118.8	118.2
65°	114.8	116.2	118.0	119.0	119.3	118.5	117.0	115.9	114.6	114.4	113.5
65.5°	110.2	111.5	113.6	114.5	114.8	113.9	112.6	111.2	110.0	109.4	109.3
66°	105.8	107.3	109.1	109.9	110.3	109.2	107.8	106.4	105.3	105.0	104.5



TEST NUMBER: P639512

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	93.5	94.8	96.6	97.5	96.9	96.2	94.9	93.6	92.4	92.0	91.8
68°	89.6	90.8	92.4	93.4	93.0	92.1	90.8	89.2	88.2	88.0	87.7
68.5°	85.7	87.0	88.3	89.4	88.9	88.0	86.5	85.1	84.0	84.0	83.5
69°	81.7	83.1	84.5	85.4	85.1	84.2	82.7	81.4	80.3	79.9	79.5
69.5°	77.9	79.3	80.7	81.5	81.6	80.4	79.0	77.5	76.4	76.1	75.8
70°	74.3	75.6	77.2	77.7	77.9	76.9	75.4	74.0	72.9	72.5	72.3
70.5°	70.8	72.0	73.4	74.1	74.3	73.3	72.0	70.5	69.4	69.0	68.7
71°	67.2	68.6	69.7	70.6	70.8	69.8	68.4	67.0	65.9	65.5	65.2
71.5°	63.6	65.1	66.2	66.9	67.3	66.2	64.8	63.7	62.3	61.8	61.7
72°	60.4	61.5	62.7	63.4	64.0	62.9	61.4	60.2	59.0	58.6	58.4
72.5°	56.9	58.0	59.4	59.9	60.5	59.7	58.2	56.8	55.9	55.3	55.0
73°	53.7	55.0	56.0	56.5	57.3	56.3	54.9	53.6	52.7	52.1	51.8
73.5°	50.7	52.0	52.9	53.4	54.2	53.2	51.8	50.5	49.4	49.0	48.6
74°	47.9	49.0	50.0	50.3	51.3	50.1	48.7	47.5	46.4	45.8	45.4
74.5°	45.0	46.2	47.0	47.4	48.2	47.0	45.8	44.6	43.5	43.0	42.7
75°	42.4	43.5	44.3	44.5	45.3	44.3	43.0	41.8	40.7	40.1	40.0
75.5°	39.6	40.7	41.7	41.8	42.5	41.7	40.2	39.2	38.0	37.5	37.3
76°	37.2	38.2	38.9	39.1	39.8	38.9	37.6	36.6	35.5	35.0	34.7
76.5°	34.8	35.8	36.5	36.6	37.3	36.4	35.1	33.9	32.9	32.4	32.1
77°	32.5	33.5	34.1	34.3	34.8	33.9	32.7	31.6	30.5	30.1	29.8
77.5°	30.3	31.2	31.9	32.0	32.5	31.6	30.4	29.4	28.4	27.8	27.6
78°	28.2	29.0	29.7	29.8	30.2	29.4	28.4	27.3	26.4	25.7	25.4
78.5°	26.2	27.2	27.8	27.8	28.1	27.2	26.3	25.3	24.3	23.9	23.6
79°	24.5	25.3	25.7	25.7	26.0	25.3	24.2	23.7	22.7	22.1	21.9
79.5°	22.9	23.7	24.2	24.2	24.0	23.6	22.8	21.8	20.9	20.4	20.1
80°	21.2	22.0	22.4	22.4	22.4	21.9	21.0	20.1	19.3	18.9	18.5
80.5°	19.7	20.4	20.9	20.8	20.8	20.2	19.4	18.7	17.9	17.4	17.0
81°	18.3	19.0	19.3	19.3	19.2	18.7	17.9	17.2	16.5	16.0	15.6
81.5°	16.9	17.5	17.9	17.9	17.6	17.2	16.4	15.8	15.2	14.8	14.5
82°	15.7	16.2	16.6	16.5	16.3	15.8	15.2	14.6	14.1	13.7	13.4
82.5°	14.6	15.1	15.4	15.3	15.0	14.6	14.2	13.5	13.0	12.6	12.2
83°	13.5	14.0	14.4	14.4	14.0	13.5	13.1	12.6	11.9	11.6	11.1
83.5°	12.4	12.9	13.3	13.3	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: P639512
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -4000K

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: P639512

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	583.2	583.2	583.2	583.2	583.2	583.2
0.5°	582.7	582.6	583.3	583.9	582.5	582.4
1°	582.3	581.9	582.2	583.2	582.7	582.3
1.5°	582.1	581.5	581.9	582.4	583.5	582.3
2°	582.0	580.9	581.9	582.4	583.5	581.2
2.5°	581.0	579.9	581.4	582.6	582.2	581.1
3°	581.0	579.9	580.7	582.0	581.5	581.2
3.5°	580.9	579.5	580.7	581.5	581.2	580.8
4°	580.6	579.9	580.1	580.7	580.9	579.2
4.5°	580.2	579.8	580.3	580.4	580.0	578.6
5°	580.5	579.1	578.3	579.7	579.0	578.4
5.5°	579.9	577.6	578.2	578.3	577.7	577.2
6°	577.1	576.2	576.7	578.1	577.7	577.2
6.5°	575.9	575.3	576.6	576.9	575.8	577.1
7°	575.2	575.1	575.7	575.9	575.5	575.5
7.5°	574.5	573.6	573.2	575.4	574.8	574.3
8°	574.3	572.9	572.5	574.0	574.0	573.5
8.5°	572.3	571.2	571.6	572.9	573.0	573.1
9°	571.4	570.1	569.6	571.1	571.7	571.6
9.5°	570.4	568.7	569.0	570.1	570.9	569.9
10°	569.1	568.0	568.8	569.4	569.5	569.7
10.5°	567.4	566.8	566.9	567.6	568.5	567.8
11°	567.3	566.5	566.4	566.4	565.8	566.5
11.5°	565.3	565.1	565.1	564.6	564.9	565.2
12°	564.6	562.7	561.7	563.0	563.7	563.3
12.5°	562.1	560.9	560.0	561.7	561.6	561.6
13°	559.6	558.9	559.1	560.5	560.3	561.2
13.5°	558.5	557.0	558.1	558.9	558.7	559.0
14°	557.5	554.8	556.1	556.9	557.1	557.6
14.5°	555.3	553.6	554.0	554.7	554.3	555.7
15°	553.3	551.1	552.7	552.1	553.8	554.3
15.5°	550.8	548.9	549.6	550.3	551.5	552.3
16°	548.7	546.7	547.7	547.7	549.1	549.9
16.5°	547.1	544.6	545.6	547.7	547.0	547.6
17°	544.9	542.6	543.7	544.9	545.9	545.7
17.5°	542.8	541.0	542.3	541.2	542.9	543.1
18°	541.2	538.3	539.5	539.6	540.0	541.3
18.5°	537.8	537.0	536.0	536.9	538.4	537.8
19°	535.9	534.9	533.8	536.1	536.1	536.5
19.5°	533.5	532.1	531.4	532.7	534.2	534.7
20°	531.0	529.9	528.9	530.5	531.6	532.8
20.5°	527.6	527.2	526.6	528.7	529.5	530.6
21°	525.4	524.2	524.3	525.1	526.0	527.5



TEST NUMBER: P639512

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	518.0	514.7	515.3	517.4	517.5	520.1
23°	514.6	512.2	512.2	514.7	515.8	517.7
23.5°	512.3	509.1	509.9	511.5	512.7	515.1
24°	508.9	506.5	506.9	507.8	509.4	512.6
24.5°	506.0	502.8	503.8	505.5	506.8	508.6
25°	502.7	499.2	500.6	503.0	504.2	506.9
25.5°	499.2	496.8	497.1	499.5	500.8	502.8
26°	496.5	493.5	494.4	496.1	498.3	500.1
26.5°	493.3	489.9	491.5	492.8	494.4	498.1
27°	489.8	486.9	487.6	489.7	491.2	493.0
27.5°	486.3	483.4	484.1	486.7	488.3	489.7
28°	483.2	481.0	481.0	484.5	484.6	486.3
28.5°	479.9	477.1	477.6	480.2	481.0	482.8
29°	475.9	473.4	474.1	476.6	477.6	479.4
29.5°	472.0	469.0	470.5	472.3	474.1	476.3
30°	468.6	466.0	466.4	469.2	470.8	472.8
30.5°	465.0	462.5	463.0	465.8	466.9	468.6
31°	461.5	459.2	459.2	462.3	463.2	464.4
31.5°	458.1	455.5	455.4	457.9	459.6	461.1
32°	453.4	451.6	451.3	454.0	456.1	457.7
32.5°	449.3	447.5	447.4	449.7	452.3	454.1
33°	445.4	442.6	443.8	446.2	448.6	450.5
33.5°	441.6	439.4	440.1	442.4	444.5	446.6
34°	437.9	434.8	435.8	438.1	440.7	442.9
34.5°	434.0	431.0	431.9	434.6	436.7	438.7
35°	430.3	427.4	427.9	430.4	432.9	434.4
35.5°	425.9	423.9	423.9	426.0	428.1	430.7
36°	421.0	419.5	420.1	422.3	424.4	425.8
36.5°	417.2	415.1	415.2	417.7	419.5	422.2
37°	413.5	411.0	410.4	413.6	415.9	417.9
37.5°	409.0	406.1	406.3	408.7	411.6	413.4
38°	404.0	401.3	402.3	404.4	407.0	408.1
38.5°	399.5	396.5	398.1	400.1	402.0	403.9
39°	394.9	392.1	392.9	395.4	397.3	399.5
39.5°	389.5	388.1	388.4	391.2	392.5	394.4
40°	385.0	383.2	383.2	386.3	388.0	389.5
40.5°	380.3	378.5	379.2	381.4	382.7	385.2
41°	374.8	373.1	374.1	376.6	378.0	379.9
41.5°	370.4	367.1	369.3	371.7	373.1	374.8
42°	365.5	362.2	364.6	366.1	367.9	369.5
42.5°	359.6	357.5	358.7	360.7	363.3	364.2
43°	354.5	352.4	352.9	355.7	357.7	359.1
43.5°	348.8	347.3	347.3	350.3	352.4	353.6



TEST NUMBER: P639512

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	333.1	330.2	331.4	334.0	335.9	336.9
45.5°	327.4	324.9	325.9	328.6	329.8	331.3
46°	321.7	319.4	320.4	323.8	325.1	325.7
46.5°	315.7	314.0	315.5	317.5	318.8	319.6
47°	310.4	308.4	309.3	311.8	313.4	314.6
47.5°	304.7	302.8	304.3	306.5	307.2	308.1
48°	299.2	297.3	298.1	301.2	302.0	302.6
48.5°	293.1	291.5	292.9	294.6	295.9	296.9
49°	286.9	285.6	287.4	289.5	290.2	290.6
49.5°	281.3	280.3	281.6	283.8	284.0	285.0
50°	276.2	274.2	276.7	278.1	278.0	278.7
50.5°	269.8	268.7	270.4	272.4	273.0	273.2
51°	264.0	263.1	265.1	266.6	267.2	267.0
51.5°	258.2	257.8	258.7	261.0	261.2	261.2
52°	252.7	251.8	253.2	255.2	254.8	254.6
52.5°	246.8	246.3	247.9	249.3	249.1	249.0
53°	241.4	240.4	242.6	244.0	243.6	243.2
53.5°	235.6	234.7	236.5	237.9	237.8	237.2
54°	229.9	229.3	230.6	232.7	231.6	231.4
54.5°	224.3	223.3	224.5	226.9	226.2	226.0
55°	218.7	218.1	219.4	220.9	220.2	219.7
55.5°	213.0	212.2	213.8	214.8	214.6	213.9
56°	207.6	206.7	207.8	209.5	208.8	208.3
56.5°	202.0	200.8	202.2	204.2	203.6	202.7
57°	196.6	195.6	197.2	198.5	197.9	197.0
57.5°	190.8	189.6	191.7	192.6	191.9	191.2
58°	185.1	184.3	186.0	187.1	186.5	185.5
58.5°	179.9	179.0	180.5	181.8	180.8	180.2
59°	174.5	173.9	174.9	176.5	175.4	174.7
59.5°	169.0	168.3	170.0	171.0	170.2	169.4
60°	163.8	163.1	164.4	165.9	164.7	164.1
60.5°	158.8	157.8	159.2	160.5	159.6	158.8
61°	153.7	152.9	154.2	155.2	154.5	153.5
61.5°	148.1	148.0	149.2	150.1	149.3	148.6
62°	143.0	142.6	144.2	144.7	143.8	143.4
62.5°	138.2	137.8	139.1	139.8	138.8	138.2
63°	133.1	133.1	134.1	135.1	134.1	133.4
63.5°	128.2	128.4	129.7	130.1	129.2	128.5
64°	123.3	123.7	124.5	125.4	124.4	123.7
64.5°	118.5	118.8	120.0	120.6	119.7	119.2
65°	114.2	114.4	115.3	115.9	115.0	114.8
65.5°	109.7	109.8	111.2	111.2	110.6	110.2
66°	105.0	105.1	106.4	107.1	106.2	105.8



TEST NUMBER: P639512

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	92.4	92.6	93.6	94.0	93.7	93.5
68°	88.2	88.6	89.6	89.9	89.6	89.6
68.5°	84.1	84.6	85.3	85.9	85.7	85.7
69°	80.0	80.4	81.3	81.9	81.7	81.7
69.5°	76.2	76.6	77.4	77.9	77.8	77.9
70°	72.7	72.5	73.6	74.3	74.1	74.3
70.5°	69.3	68.7	70.0	70.5	70.6	70.8
71°	65.6	65.1	66.0	66.9	67.1	67.2
71.5°	62.1	61.6	62.5	63.2	63.4	63.6
72°	58.6	58.1	59.0	59.7	60.0	60.4
72.5°	55.4	54.6	55.4	56.2	56.5	56.9
73°	52.0	51.1	51.9	52.8	53.2	53.7
73.5°	48.9	47.9	48.6	49.5	50.2	50.7
74°	45.9	44.8	45.6	46.6	47.1	47.9
74.5°	42.8	42.0	42.6	43.5	44.3	45.0
75°	40.1	39.2	39.9	40.8	41.6	42.4
75.5°	37.4	36.5	37.2	38.1	38.8	39.6
76°	34.7	33.9	34.6	35.5	36.4	37.2
76.5°	32.2	31.6	32.1	33.1	33.9	34.8
77°	29.8	29.3	29.8	30.8	31.6	32.5
77.5°	27.6	27.1	27.7	28.5	29.4	30.3
78°	25.4	25.0	25.5	26.5	27.4	28.2
78.5°	23.6	23.3	23.8	24.6	25.4	26.2
79°	21.7	21.6	22.1	22.9	23.8	24.5
79.5°	20.0	19.9	20.3	21.2	22.1	22.9
80°	18.3	18.4	18.9	19.6	20.4	21.2
80.5°	16.9	17.0	17.4	18.2	19.0	19.7
81°	15.5	15.8	16.2	16.8	17.6	18.3
81.5°	14.4	14.7	15.1	15.7	16.2	16.9
82°	13.2	13.6	14.0	14.5	15.2	15.7
82.5°	12.1	12.5	12.8	13.4	14.0	14.6
83°	11.1	11.3	11.7	12.3	12.9	13.5
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: P639512
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -4000K

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°	525.7	528.5	530.1	532.0	532.4	533.2	532.8	529.9	527.9	527.1	524.7
22°	522.4	525.4	526.9	529.8	529.5	531.1	529.8	528.2	525.5	524.8	521.6



44°	347.7	352.6	356.1	358.5	359.6	359.7	357.7	355.3	351.6	349.5	345.9
44.5°	342.9	347.0	349.6	352.5	353.7	353.3	352.6	349.9	346.5	343.2	339.8



66.5°	101.6	103.0	104.6	105.6	105.5	104.6	103.4	102.0	100.8	100.5	100.2
67°	97.7	98.7	100.4	101.3	101.4	100.2	98.9	97.6	96.5	96.3	95.8



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°	523.2	520.9	521.3	522.3	523.7	525.7
22°	519.7	517.3	518.9	520.1	520.6	522.4



44°	343.6	341.5	342.2	345.3	347.2	347.7
44.5°	338.7	335.6	336.7	340.3	341.4	342.9



66.5°	100.7	100.9	102.0	102.5	101.9	101.6
67°	96.5	96.8	97.8	98.3	97.8	97.7

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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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(END OF REPORT)