

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



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: P639509

Luminaire Tested: RL6LS9FSD2W1EWHDM -1200LM -2700K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639509
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 -2700K
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

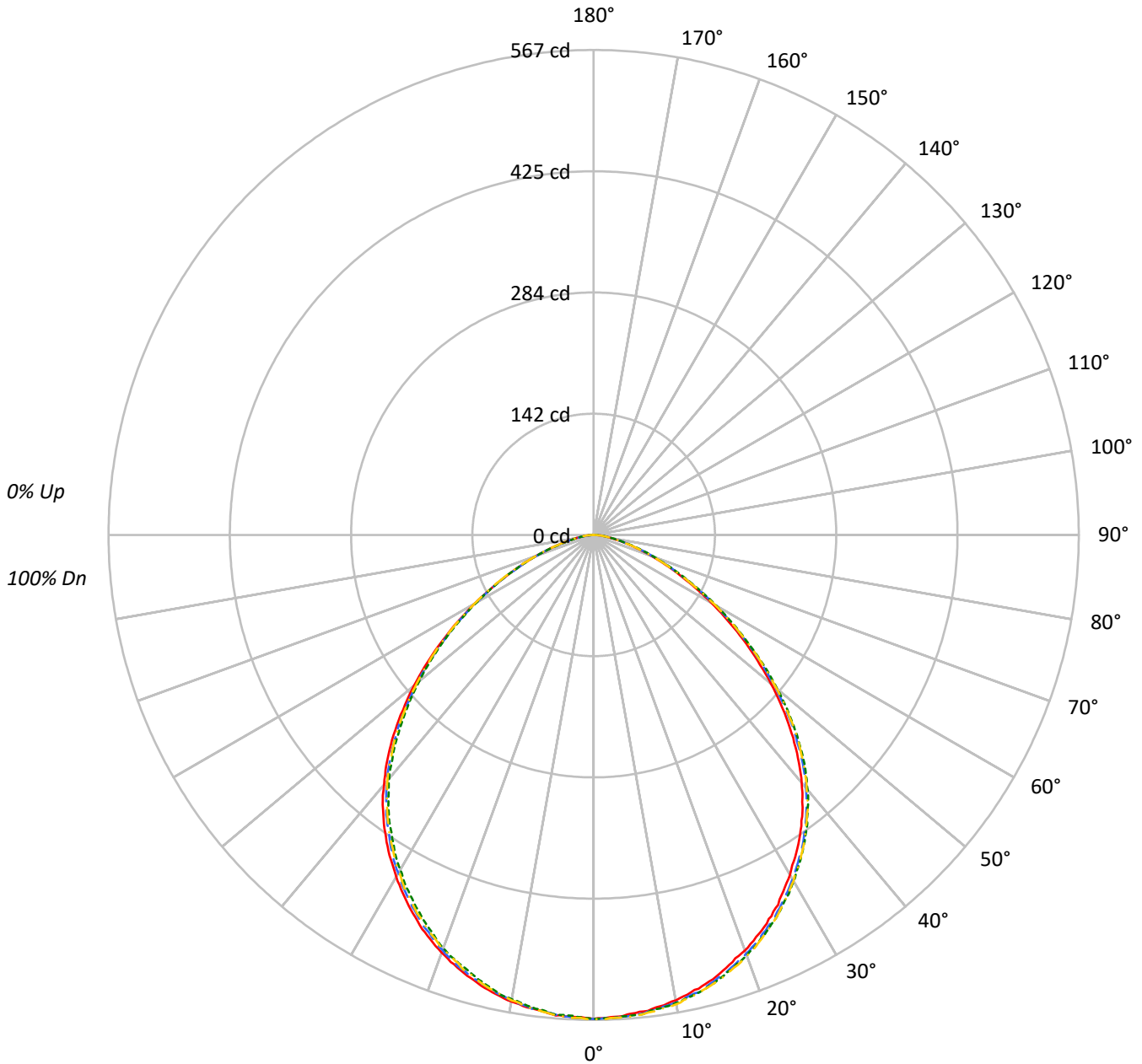
Lumens per Lamp: N/A
Luminaire Lumens: 1310.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.7
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



TEST NUMBER: P639509
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

Luminous Intensity Polar Plot





TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

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°	31023	31023	31023	31023
5°	30888	31009	30960	30921
10°	30772	30928	30839	30683
15°	30528	30806	30607	30352
20°	30161	30528	30318	29998
25°	29754	30129	29838	29300
30°	29042	29618	29213	28625
35°	28215	28857	28416	27760
40°	27051	27824	27273	26614
45°	25351	26189	25631	24848
50°	23061	23897	23360	22686
55°	20377	21084	20625	20224
60°	17455	18145	17586	17345
65°	14450	15008	14424	14398
70°	11556	12117	11332	11268
75°	8705	9320	8366	8049
80°	6503	6851	5904	5651
85°	5724	6038	4780	4340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 26220 cd/sqm



TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	4.1
10°-20°	152.0	11.6
20°-30°	226.7	17.3
30°-40°	264.5	20.2
40°-50°	253.4	19.3
50°-60°	193.1	14.7
60°-70°	112.5	8.6
70°-80°	44.8	3.4
80°-90°	9.5	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°	432.2	33.0
0°-40°	696.7	53.2
0°-60°	1143.3	87.3
0°-90°	1310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1310.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	566	566	566	566	566	
5°	561	564	563	562	561	53
15°	538	543	539	535	538	151
25°	492	498	493	484	492	226
35°	422	431	425	415	422	263
45°	327	338	331	320	327	251
55°	213	221	216	212	213	191
65°	111	116	111	111	111	111
75°	41	44	40	38	41	45
85°	9	10	8	7	9	10
90°	0	1	0	0	0	



TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	565.9	565.9	565.9	565.9	565.9	565.9	565.9	565.9	565.9	565.9	565.9
0.5°	565.1	565.9	565.9	566.0	565.6	565.9	566.3	565.4	565.2	565.8	565.8
1°	565.1	565.7	565.4	565.6	565.6	565.8	566.8	566.2	564.8	565.7	565.3
1.5°	565.1	565.6	565.1	565.9	565.4	565.6	566.3	566.5	564.1	565.4	565.1
2°	564.0	565.3	564.9	565.9	565.3	564.7	565.2	566.3	564.1	565.6	565.4
2.5°	563.9	565.9	565.1	565.5	565.1	565.1	565.2	565.2	563.9	565.1	565.1
3°	564.0	565.3	565.0	566.1	564.6	565.4	565.1	565.1	563.8	564.7	564.0
3.5°	563.6	564.8	564.3	566.1	563.8	565.4	565.1	565.4	563.8	565.0	564.3
4°	562.0	564.1	564.2	565.4	563.8	565.6	565.0	563.9	563.1	565.6	562.7
4.5°	561.5	563.5	563.5	564.1	563.5	565.3	564.8	563.3	563.6	564.8	562.7
5°	561.3	563.7	562.9	564.0	563.5	564.6	564.2	563.3	562.6	562.9	561.5
5.5°	560.1	563.6	562.9	563.5	563.6	563.0	564.0	563.1	561.8	562.6	560.6
6°	560.1	562.5	562.4	562.7	563.0	562.7	563.1	562.2	560.4	562.4	560.4
6.5°	560.0	560.8	560.7	562.3	561.3	561.8	562.1	561.2	559.5	560.6	560.0
7°	558.5	560.4	560.4	561.5	559.8	561.3	561.6	560.6	558.9	560.4	559.1
7.5°	557.3	559.0	559.4	561.0	559.0	559.7	561.5	560.2	558.1	559.4	558.4
8°	556.5	558.2	558.5	559.6	559.0	558.8	560.0	559.0	558.0	557.9	556.7
8.5°	556.1	557.4	557.4	559.4	557.8	558.8	559.1	558.7	556.9	557.1	555.7
9°	554.7	557.1	556.9	557.7	557.6	557.9	558.3	557.6	555.5	556.1	554.9
9.5°	553.0	556.0	555.9	557.4	556.7	556.6	558.1	556.9	554.6	555.9	553.9
10°	552.8	554.5	555.2	556.2	555.6	555.7	557.2	555.3	554.0	554.3	553.2
10.5°	551.0	554.0	553.7	554.7	555.4	555.3	556.0	554.2	553.1	553.8	551.3
11°	549.7	552.2	552.7	554.4	553.2	553.1	553.9	553.1	551.7	551.2	549.6
11.5°	548.5	550.7	551.0	552.2	552.1	552.0	553.1	551.3	550.4	550.8	548.6
12°	546.6	549.7	549.7	551.0	551.1	552.0	552.3	550.2	549.0	549.0	547.3
12.5°	545.0	548.3	548.8	549.9	549.7	551.1	550.2	549.2	547.8	548.1	545.6
13°	544.6	546.7	548.7	548.2	549.0	549.4	549.1	547.3	545.9	547.3	544.3
13.5°	542.4	544.4	546.2	547.3	547.3	548.0	547.4	546.6	544.9	545.1	542.1
14°	541.1	543.1	544.2	545.3	545.9	546.3	546.1	544.9	543.4	542.5	540.6
14.5°	539.2	542.5	542.4	544.3	543.8	545.6	544.7	543.4	541.2	541.4	538.5
15°	537.9	540.7	540.8	542.9	542.8	543.1	542.9	541.4	539.3	539.2	537.5
15.5°	535.9	537.7	538.5	541.4	540.5	541.2	541.7	539.5	537.7	537.6	535.8
16°	533.6	535.9	536.8	539.0	539.1	539.6	540.0	538.4	536.3	535.2	533.9
16.5°	531.4	534.7	535.2	536.8	537.1	537.2	538.1	536.4	534.2	533.7	531.5
17°	529.5	531.9	533.9	535.5	534.4	536.0	535.4	533.9	532.3	531.6	530.3
17.5°	527.0	531.2	531.4	532.6	533.4	534.0	533.9	532.3	530.2	529.3	528.5
18°	525.3	528.7	529.3	530.3	531.3	531.4	531.7	531.7	527.7	528.0	525.8
18.5°	521.9	525.4	527.2	530.0	528.8	530.1	530.3	528.6	526.5	526.0	523.4
19°	520.6	523.7	525.0	527.3	527.3	528.2	528.3	526.2	523.9	523.1	521.6
19.5°	518.9	521.7	523.4	524.1	525.2	525.6	525.7	524.3	521.6	520.7	519.3
20°	517.0	520.5	521.1	522.5	523.3	523.3	523.4	521.5	519.7	519.5	516.5
20.5°	514.9	517.7	519.0	520.3	520.4	521.1	521.9	519.2	517.2	516.2	514.8
21°	511.9	515.9	516.5	517.8	518.7	518.9	520.0	517.3	515.2	514.1	511.5



TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	504.7	508.2	509.1	511.8	510.8	512.1	512.0	509.7	507.4	506.5	503.2
23°	502.4	505.4	506.2	508.3	509.3	510.0	509.0	507.3	504.6	503.1	501.1
23.5°	499.9	502.9	504.3	505.9	506.0	507.4	506.5	504.8	502.5	500.4	499.0
24°	497.4	499.9	501.0	502.6	503.6	504.8	503.8	502.3	499.5	498.2	495.9
24.5°	493.5	496.8	498.8	500.2	500.6	502.0	501.3	499.2	496.0	496.0	492.5
25°	491.9	494.1	496.8	497.5	498.1	498.7	498.4	496.5	493.3	492.5	489.3
25.5°	487.9	491.4	493.4	495.1	495.7	495.5	495.6	493.3	490.6	488.7	486.1
26°	485.3	488.3	490.1	492.0	492.9	492.8	492.7	490.0	487.6	486.1	483.7
26.5°	483.4	485.1	487.3	488.7	489.8	490.5	489.3	486.9	484.5	483.5	480.2
27°	478.4	482.7	483.9	486.1	486.4	487.2	486.2	484.7	481.1	480.0	477.1
27.5°	475.2	479.9	480.7	482.8	482.9	483.7	483.6	481.2	478.1	477.0	474.0
28°	471.9	475.9	477.4	479.8	479.9	480.4	479.6	477.8	474.8	473.9	470.8
28.5°	468.5	472.4	474.8	476.3	477.9	476.9	476.7	474.4	471.7	470.5	467.4
29°	465.2	469.0	471.5	472.7	474.3	473.9	473.4	471.3	468.0	467.1	464.0
29.5°	462.2	465.9	467.9	469.9	470.4	470.4	470.0	467.9	465.2	463.0	460.6
30°	458.8	463.2	464.6	466.6	467.9	467.2	467.1	464.4	461.5	459.4	456.4
30.5°	454.7	459.7	461.4	463.1	464.2	463.9	463.0	460.9	457.9	456.5	453.7
31°	450.7	455.3	457.8	459.7	459.9	460.5	459.7	457.6	454.4	453.0	450.0
31.5°	447.5	452.6	454.3	456.2	456.7	456.8	456.6	454.1	450.8	449.8	446.8
32°	444.2	449.0	451.0	452.4	453.3	454.2	453.3	450.5	447.4	446.6	442.8
32.5°	440.7	445.1	447.4	449.0	450.0	449.8	449.8	446.9	444.3	441.9	438.9
33°	437.2	441.3	444.0	445.2	446.3	446.3	445.7	443.0	440.5	438.2	435.3
33.5°	433.4	437.9	440.4	441.7	442.8	442.6	442.4	439.2	436.6	434.4	431.1
34°	429.8	434.1	436.8	438.4	438.6	438.5	438.5	435.8	433.0	430.6	426.9
34.5°	425.7	429.5	432.9	434.8	435.2	434.8	434.8	432.5	428.7	426.5	422.6
35°	421.6	426.3	428.6	431.3	431.2	431.5	430.2	428.4	424.6	422.6	418.9
35.5°	418.0	422.2	424.8	426.6	427.3	427.8	426.3	425.4	421.1	419.1	415.3
36°	413.2	418.1	421.0	422.4	423.8	424.3	421.9	420.5	417.0	415.1	411.0
36.5°	409.7	414.3	416.7	418.7	419.7	420.0	418.1	415.6	412.6	410.9	407.4
37°	405.5	409.4	412.9	414.9	414.3	415.6	414.0	412.1	408.5	406.6	402.9
37.5°	401.2	405.8	408.4	409.6	410.6	410.3	409.5	407.6	404.4	402.0	398.6
38°	396.0	401.0	404.1	405.5	406.2	406.7	406.9	402.9	400.6	397.6	393.8
38.5°	392.0	396.9	399.0	400.7	402.6	401.8	402.1	398.4	396.0	392.8	389.6
39°	387.7	392.2	395.1	396.4	398.2	398.6	396.8	394.6	391.8	389.2	385.0
39.5°	382.7	387.9	390.6	392.5	394.0	394.1	392.0	390.1	386.0	383.9	380.2
40°	378.0	384.2	386.2	388.1	388.8	388.8	387.1	385.5	381.1	379.9	375.9
40.5°	373.8	378.5	381.7	383.1	383.5	384.0	383.0	379.5	376.6	375.9	371.2
41°	368.7	373.2	376.3	378.6	379.5	379.7	378.3	376.0	371.5	370.1	366.5
41.5°	363.7	368.1	371.4	373.6	374.7	374.9	373.2	371.7	367.4	364.6	361.0
42°	358.6	363.4	366.8	368.5	369.8	368.8	368.2	365.6	362.2	359.9	356.2
42.5°	353.4	358.0	361.5	362.8	365.6	364.6	362.9	360.5	356.8	355.2	350.9
43°	348.5	352.9	355.9	357.8	359.9	359.1	358.0	355.2	351.8	349.8	346.0
43.5°	343.2	347.6	350.7	353.0	354.5	354.1	352.2	349.8	346.8	344.5	340.7



TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	327.0	331.4	334.9	336.1	337.8	338.2	336.2	333.9	330.6	328.1	325.0
45.5°	321.5	326.0	328.6	330.9	332.8	332.6	331.4	328.4	324.9	322.6	319.8
46°	316.1	320.2	323.7	325.7	326.7	326.7	325.4	322.7	319.5	317.4	314.3
46.5°	310.2	314.3	318.0	320.1	321.7	320.9	319.7	317.2	313.8	311.5	308.3
47°	305.3	308.7	311.9	313.5	315.3	315.6	313.5	311.2	308.5	306.0	303.0
47.5°	299.0	303.4	306.4	307.5	309.7	309.6	307.9	305.9	302.0	300.8	296.9
48°	293.6	297.4	300.8	301.6	304.4	303.6	302.3	300.4	296.9	295.1	291.5
48.5°	288.1	291.6	294.6	296.3	298.0	297.8	297.0	294.1	291.3	289.5	285.7
49°	281.9	285.6	288.7	290.4	292.1	291.6	290.3	288.3	285.7	283.7	280.4
49.5°	276.5	279.8	283.1	285.0	286.3	286.2	284.8	282.6	279.9	277.8	274.6
50°	270.4	273.8	277.0	278.3	280.2	280.7	278.5	276.5	273.9	272.0	269.1
50.5°	265.1	268.7	271.0	272.9	274.1	274.4	272.6	270.5	268.0	266.2	263.4
51°	259.0	262.9	265.0	267.1	268.7	267.6	267.1	265.0	262.3	261.1	258.2
51.5°	253.4	257.0	259.5	260.9	263.1	262.2	261.3	259.1	256.7	254.4	252.1
52°	247.0	250.8	253.4	255.5	257.2	256.3	255.0	253.4	251.2	249.2	246.2
52.5°	241.6	244.5	247.4	249.2	250.6	250.3	249.3	247.7	245.1	243.5	240.7
53°	236.0	238.9	241.5	243.3	244.3	245.2	243.2	241.3	239.0	237.3	235.3
53.5°	230.1	233.1	236.0	237.7	238.7	238.6	237.4	235.7	233.2	231.9	229.7
54°	224.5	227.2	230.5	231.6	232.6	232.5	231.3	230.1	227.7	226.0	223.9
54.5°	219.3	221.8	224.3	226.1	226.7	226.8	225.7	224.4	221.9	220.3	218.3
55°	213.2	215.9	218.5	220.2	220.6	220.8	219.8	218.3	215.8	214.4	212.5
55.5°	207.5	210.1	212.8	214.4	215.1	215.2	213.8	212.4	210.1	208.6	207.2
56°	202.1	204.5	207.2	208.8	209.5	209.2	207.8	206.8	204.4	203.1	201.7
56.5°	196.7	199.1	201.6	203.2	203.9	203.6	202.2	200.9	199.2	197.9	196.2
57°	191.1	193.4	196.2	197.2	198.3	197.7	197.0	195.2	193.3	192.0	190.9
57.5°	185.5	188.0	190.9	191.8	192.4	192.2	191.0	189.5	187.6	186.5	185.2
58°	180.0	182.7	185.3	186.5	187.1	186.7	185.5	184.0	182.1	181.1	179.7
58.5°	174.8	176.8	179.5	180.8	182.0	181.4	179.8	178.2	176.4	175.6	174.3
59°	169.5	171.5	174.2	175.0	176.4	175.9	174.3	173.1	171.1	170.0	169.0
59.5°	164.4	166.1	168.6	170.0	170.4	169.9	169.3	167.4	165.5	164.8	164.0
60°	159.2	160.8	163.5	164.9	165.5	164.5	163.6	162.2	160.4	159.7	158.8
60.5°	154.1	155.7	158.3	159.4	160.4	159.7	158.3	156.8	155.2	154.5	153.6
61°	148.9	150.6	153.3	154.5	155.2	154.3	152.8	151.4	149.8	149.1	148.4
61.5°	144.2	145.5	148.1	149.2	149.9	149.0	147.7	146.2	144.8	143.9	143.1
62°	139.1	140.6	142.9	144.0	145.0	143.8	142.5	141.1	139.6	138.9	138.4
62.5°	134.1	135.8	137.9	139.0	139.9	138.8	137.5	136.5	134.7	133.9	133.5
63°	129.4	131.0	133.0	134.1	134.9	133.6	132.6	131.0	129.8	129.2	128.5
63.5°	124.7	126.3	128.3	129.5	129.7	129.0	127.6	126.2	125.2	124.6	124.1
64°	120.0	121.7	123.7	124.9	125.2	124.4	123.0	121.4	120.3	119.8	119.6
64.5°	115.6	117.1	119.1	120.1	120.6	119.6	118.3	116.8	115.6	115.3	114.7
65°	111.4	112.7	114.5	115.5	115.7	115.0	113.5	112.4	111.2	111.0	110.1
65.5°	106.9	108.2	110.2	111.1	111.4	110.5	109.2	107.9	106.7	106.1	106.0
66°	102.6	104.1	105.9	106.6	107.0	105.9	104.6	103.2	102.2	101.9	101.4



TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	90.7	92.0	93.7	94.6	94.0	93.3	92.1	90.8	89.6	89.3	89.1
68°	86.9	88.1	89.6	90.6	90.2	89.4	88.1	86.5	85.6	85.4	85.1
68.5°	83.1	84.4	85.7	86.7	86.3	85.4	83.9	82.6	81.5	81.5	81.0
69°	79.3	80.6	82.0	82.9	82.6	81.7	80.2	79.0	77.9	77.5	77.1
69.5°	75.6	76.9	78.3	79.1	79.2	78.0	76.6	75.2	74.1	73.8	73.5
70°	72.1	73.3	74.9	75.4	75.6	74.6	73.2	71.8	70.7	70.3	70.1
70.5°	68.7	69.9	71.2	71.9	72.1	71.1	69.9	68.4	67.3	66.9	66.7
71°	65.2	66.6	67.6	68.5	68.7	67.7	66.4	65.0	63.9	63.5	63.3
71.5°	61.7	63.2	64.2	64.9	65.3	64.2	62.9	61.8	60.4	60.0	59.9
72°	58.6	59.7	60.8	61.5	62.1	61.0	59.6	58.4	57.2	56.9	56.7
72.5°	55.2	56.3	57.6	58.1	58.7	57.9	56.5	55.1	54.2	53.7	53.4
73°	52.1	53.4	54.3	54.8	55.6	54.6	53.3	52.0	51.1	50.5	50.3
73.5°	49.2	50.5	51.3	51.8	52.6	51.6	50.3	49.0	47.9	47.5	47.2
74°	46.5	47.5	48.5	48.8	49.8	48.6	47.2	46.1	45.0	44.4	44.0
74.5°	43.7	44.8	45.6	46.0	46.8	45.6	44.4	43.3	42.2	41.7	41.4
75°	41.1	42.2	43.0	43.2	44.0	43.0	41.7	40.6	39.5	38.9	38.8
75.5°	38.4	39.5	40.5	40.6	41.2	40.5	39.0	38.0	36.9	36.4	36.2
76°	36.1	37.1	37.7	37.9	38.6	37.7	36.5	35.5	34.4	34.0	33.7
76.5°	33.8	34.7	35.4	35.5	36.2	35.3	34.1	32.9	31.9	31.4	31.1
77°	31.5	32.5	33.1	33.3	33.8	32.9	31.7	30.7	29.6	29.2	28.9
77.5°	29.4	30.3	30.9	31.0	31.5	30.7	29.5	28.5	27.6	27.0	26.8
78°	27.4	28.1	28.8	28.9	29.3	28.5	27.6	26.5	25.6	24.9	24.6
78.5°	25.4	26.4	27.0	27.0	27.3	26.4	25.5	24.5	23.6	23.2	22.9
79°	23.8	24.5	24.9	24.9	25.2	24.5	23.5	23.0	22.0	21.4	21.2
79.5°	22.2	23.0	23.5	23.5	23.3	22.9	22.1	21.2	20.3	19.8	19.5
80°	20.6	21.3	21.7	21.7	21.7	21.2	20.4	19.5	18.7	18.3	17.9
80.5°	19.1	19.8	20.3	20.2	20.2	19.6	18.8	18.1	17.4	16.9	16.5
81°	17.8	18.4	18.7	18.7	18.6	18.1	17.4	16.7	16.0	15.5	15.1
81.5°	16.4	17.0	17.4	17.4	17.1	16.7	15.9	15.3	14.7	14.4	14.1
82°	15.2	15.7	16.1	16.0	15.8	15.3	14.7	14.2	13.7	13.3	13.0
82.5°	14.2	14.7	14.9	14.8	14.6	14.2	13.8	13.1	12.6	12.2	11.8
83°	13.1	13.6	14.0	14.0	13.6	13.1	12.7	12.2	11.5	11.3	10.8
83.5°	12.0	12.5	12.9	12.9	12.4	12.1	11.6	11.1	10.6	10.1	9.7
84°	11.2	11.5	11.9	11.9	11.5	11.2	10.7	10.1	9.5	9.1	8.7
84.5°	10.1	10.6	11.0	11.0	10.6	10.3	9.7	9.2	8.5	8.1	7.8
85°	9.1	9.6	10.0	10.0	9.6	9.3	8.6	8.2	7.6	7.2	6.6
85.5°	8.1	8.6	9.0	9.0	8.6	8.3	7.9	7.2	6.5	6.2	5.7
86°	7.1	7.7	8.1	8.1	7.7	7.4	6.9	6.2	5.7	5.1	5.0
86.5°	6.1	6.7	7.1	7.2	6.8	6.4	6.0	5.3	5.0	4.3	3.8
87°	5.1	5.8	6.1	6.2	6.0	5.6	5.0	4.4	3.8	3.3	2.8
87.5°	4.3	4.9	5.2	5.3	5.0	4.9	4.1	3.6	2.9	2.3	2.0
88°	3.3	3.9	4.4	4.5	4.1	3.8	3.2	2.5	1.9	1.6	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: P639509
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

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: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	565.9	565.9	565.9	565.9	565.9	565.9
0.5°	565.4	565.3	566.0	566.6	565.2	565.1
1°	565.1	564.7	565.0	565.9	565.4	565.1
1.5°	564.9	564.3	564.7	565.1	566.2	565.1
2°	564.8	563.7	564.7	565.1	566.2	564.0
2.5°	563.8	562.7	564.2	565.3	565.0	563.9
3°	563.8	562.7	563.5	564.8	564.3	564.0
3.5°	563.7	562.3	563.5	564.3	564.0	563.6
4°	563.4	562.7	562.9	563.5	563.7	562.0
4.5°	563.0	562.6	563.1	563.2	562.8	561.5
5°	563.3	561.9	561.2	562.5	561.8	561.3
5.5°	562.7	560.5	561.1	561.2	560.6	560.1
6°	560.0	559.1	559.6	561.0	560.6	560.1
6.5°	558.8	558.3	559.5	559.8	558.7	560.0
7°	558.2	558.1	558.6	558.8	558.5	558.5
7.5°	557.5	556.6	556.2	558.4	557.8	557.3
8°	557.3	555.9	555.5	557.0	557.0	556.5
8.5°	555.3	554.3	554.7	555.9	556.0	556.1
9°	554.5	553.2	552.7	554.2	554.8	554.7
9.5°	553.5	551.9	552.1	553.2	554.0	553.0
10°	552.2	551.2	552.0	552.5	552.6	552.8
10.5°	550.6	550.0	550.1	550.8	551.7	551.0
11°	550.5	549.7	549.6	549.6	549.0	549.7
11.5°	548.6	548.4	548.4	547.9	548.2	548.5
12°	547.9	546.0	545.1	546.3	547.0	546.6
12.5°	545.5	544.3	543.4	545.1	545.0	545.0
13°	543.0	542.3	542.5	543.9	543.7	544.6
13.5°	542.0	540.5	541.6	542.3	542.2	542.4
14°	541.0	538.4	539.6	540.4	540.6	541.1
14.5°	538.9	537.2	537.6	538.3	537.9	539.2
15°	536.9	534.8	536.3	535.8	537.4	537.9
15.5°	534.5	532.6	533.3	534.0	535.2	535.9
16°	532.5	530.5	531.5	531.5	532.8	533.6
16.5°	530.9	528.5	529.4	531.5	530.8	531.4
17°	528.8	526.5	527.6	528.8	529.7	529.5
17.5°	526.7	525.0	526.2	525.2	526.8	527.0
18°	525.2	522.4	523.5	523.6	524.0	525.3
18.5°	521.9	521.1	520.1	521.0	522.5	521.9
19°	520.0	519.1	518.0	520.2	520.2	520.6
19.5°	517.7	516.3	515.7	516.9	518.4	518.9
20°	515.3	514.2	513.2	514.8	515.9	517.0
20.5°	512.0	511.6	511.0	513.0	513.8	514.9
21°	509.8	508.7	508.8	509.6	510.4	511.9



TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	502.7	499.5	500.0	502.1	502.2	504.7
23°	499.4	497.0	497.0	499.5	500.5	502.4
23.5°	497.1	494.0	494.8	496.4	497.5	499.9
24°	493.8	491.5	491.9	492.8	494.3	497.4
24.5°	491.0	487.9	488.9	490.5	491.8	493.5
25°	487.8	484.4	485.8	488.1	489.3	491.9
25.5°	484.4	482.1	482.4	484.7	486.0	487.9
26°	481.8	478.9	479.8	481.4	483.6	485.3
26.5°	478.7	475.4	477.0	478.2	479.8	483.4
27°	475.3	472.5	473.2	475.2	476.7	478.4
27.5°	471.9	469.1	469.8	472.3	473.9	475.2
28°	468.9	466.8	466.8	470.2	470.3	471.9
28.5°	465.7	463.0	463.5	466.0	466.8	468.5
29°	461.8	459.4	460.1	462.5	463.5	465.2
29.5°	458.0	455.1	456.6	458.3	460.1	462.2
30°	454.7	452.2	452.6	455.3	456.9	458.8
30.5°	451.2	448.8	449.3	452.0	453.1	454.7
31°	447.8	445.6	445.6	448.6	449.5	450.7
31.5°	444.6	442.0	441.9	444.4	446.0	447.5
32°	440.0	438.2	438.0	440.6	442.6	444.2
32.5°	436.0	434.3	434.2	436.4	438.9	440.7
33°	432.2	429.5	430.7	433.0	435.3	437.2
33.5°	428.5	426.4	427.1	429.3	431.4	433.4
34°	425.0	421.9	422.9	425.1	427.7	429.8
34.5°	421.2	418.3	419.1	421.8	423.8	425.7
35°	417.6	414.8	415.3	417.7	420.1	421.6
35.5°	413.3	411.4	411.4	413.4	415.4	418.0
36°	408.6	407.1	407.7	409.8	411.9	413.2
36.5°	404.9	402.8	402.9	405.4	407.1	409.7
37°	401.3	398.9	398.3	401.4	403.6	405.5
37.5°	396.9	394.1	394.3	396.6	399.4	401.2
38°	392.1	389.4	390.4	392.5	395.0	396.0
38.5°	387.7	384.8	386.3	388.3	390.1	392.0
39°	383.2	380.5	381.3	383.7	385.6	387.7
39.5°	378.0	376.6	376.9	379.6	380.9	382.7
40°	373.6	371.9	371.9	374.9	376.5	378.0
40.5°	369.1	367.3	368.0	370.1	371.4	373.8
41°	363.7	362.1	363.1	365.5	366.8	368.7
41.5°	359.5	356.3	358.4	360.7	362.1	363.7
42°	354.7	351.5	353.8	355.3	357.0	358.6
42.5°	349.0	346.9	348.1	350.1	352.6	353.4
43°	344.0	342.0	342.5	345.2	347.1	348.5
43.5°	338.5	337.1	337.1	340.0	342.0	343.2

TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	323.3	320.5	321.6	324.1	326.0	327.0
45.5°	317.7	315.3	316.3	318.9	320.1	321.5
46°	312.2	310.0	311.0	314.3	315.5	316.1
46.5°	306.4	304.7	306.2	308.1	309.4	310.2
47°	301.3	299.3	300.2	302.6	304.2	305.3
47.5°	295.6	293.8	295.2	297.5	298.1	299.0
48°	290.3	288.4	289.2	292.2	293.0	293.6
48.5°	284.4	282.8	284.2	285.8	287.1	288.1
49°	278.4	277.1	278.8	280.9	281.6	281.9
49.5°	272.9	272.0	273.2	275.3	275.5	276.5
50°	268.0	266.0	268.5	269.8	269.7	270.4
50.5°	261.8	260.7	262.3	264.3	264.9	265.1
51°	256.1	255.3	257.2	258.7	259.2	259.0
51.5°	250.5	250.1	251.0	253.2	253.4	253.4
52°	245.2	244.3	245.7	247.6	247.2	247.0
52.5°	239.4	239.0	240.5	241.9	241.7	241.6
53°	234.2	233.2	235.4	236.7	236.3	236.0
53.5°	228.6	227.7	229.5	230.8	230.7	230.1
54°	223.1	222.5	223.7	225.8	224.7	224.5
54.5°	217.6	216.6	217.8	220.1	219.5	219.3
55°	212.2	211.6	212.9	214.3	213.6	213.2
55.5°	206.7	205.9	207.4	208.4	208.2	207.5
56°	201.4	200.5	201.6	203.3	202.6	202.1
56.5°	196.0	194.8	196.2	198.1	197.5	196.7
57°	190.7	189.8	191.3	192.6	192.0	191.1
57.5°	185.1	184.0	186.0	186.9	186.2	185.5
58°	179.6	178.8	180.5	181.5	180.9	180.0
58.5°	174.5	173.7	175.1	176.4	175.4	174.8
59°	169.3	168.7	169.7	171.2	170.2	169.5
59.5°	164.0	163.3	164.9	165.9	165.1	164.4
60°	158.9	158.2	159.5	161.0	159.8	159.2
60.5°	154.1	153.1	154.5	155.7	154.8	154.1
61°	149.1	148.3	149.6	150.6	149.9	148.9
61.5°	143.7	143.6	144.8	145.6	144.9	144.2
62°	138.7	138.4	139.9	140.4	139.5	139.1
62.5°	134.1	133.7	135.0	135.6	134.7	134.1
63°	129.1	129.1	130.1	131.1	130.1	129.4
63.5°	124.4	124.6	125.8	126.2	125.4	124.7
64°	119.6	120.0	120.8	121.7	120.7	120.0
64.5°	115.0	115.3	116.4	117.0	116.1	115.6
65°	110.8	111.0	111.9	112.4	111.6	111.4
65.5°	106.4	106.5	107.9	107.9	107.3	106.9
66°	101.9	102.0	103.2	103.9	103.0	102.6



TEST NUMBER: P639509

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	89.6	89.8	90.8	91.2	90.9	90.7
68°	85.6	86.0	86.9	87.2	86.9	86.9
68.5°	81.6	82.1	82.8	83.3	83.1	83.1
69°	77.6	78.0	78.9	79.5	79.3	79.3
69.5°	73.9	74.3	75.1	75.6	75.5	75.6
70°	70.5	70.3	71.4	72.1	71.9	72.1
70.5°	67.2	66.7	67.9	68.4	68.5	68.7
71°	63.6	63.2	64.0	64.9	65.1	65.2
71.5°	60.3	59.8	60.6	61.3	61.5	61.7
72°	56.9	56.4	57.2	57.9	58.2	58.6
72.5°	53.7	53.0	53.7	54.5	54.8	55.2
73°	50.5	49.6	50.4	51.2	51.6	52.1
73.5°	47.4	46.5	47.2	48.0	48.7	49.2
74°	44.5	43.5	44.2	45.2	45.7	46.5
74.5°	41.5	40.7	41.3	42.2	43.0	43.7
75°	38.9	38.0	38.7	39.6	40.4	41.1
75.5°	36.3	35.4	36.1	37.0	37.6	38.4
76°	33.7	32.9	33.6	34.4	35.3	36.1
76.5°	31.2	30.7	31.1	32.1	32.9	33.8
77°	28.9	28.4	28.9	29.9	30.7	31.5
77.5°	26.8	26.3	26.9	27.7	28.5	29.4
78°	24.6	24.3	24.7	25.7	26.6	27.4
78.5°	22.9	22.6	23.1	23.9	24.6	25.4
79°	21.1	21.0	21.4	22.2	23.1	23.8
79.5°	19.4	19.3	19.7	20.6	21.4	22.2
80°	17.8	17.9	18.3	19.0	19.8	20.6
80.5°	16.4	16.5	16.9	17.7	18.4	19.1
81°	15.0	15.3	15.7	16.3	17.1	17.8
81.5°	14.0	14.3	14.7	15.2	15.7	16.4
82°	12.8	13.2	13.6	14.1	14.7	15.2
82.5°	11.7	12.1	12.4	13.0	13.6	14.2
83°	10.8	11.0	11.4	11.9	12.5	13.1
83.5°	9.6	10.0	10.3	11.0	11.5	12.0
84°	8.5	9.0	9.3	9.9	10.5	11.2
84.5°	7.6	8.0	8.2	8.9	9.5	10.1
85°	6.5	6.9	7.4	7.9	8.4	9.1
85.5°	5.5	5.9	6.3	6.9	7.5	8.1
86°	4.7	5.0	5.4	5.8	6.5	7.1
86.5°	3.8	4.0	4.5	4.9	5.6	6.1
87°	2.7	3.1	3.5	4.0	4.7	5.1
87.5°	1.8	2.1	2.6	3.1	3.6	4.3
88°	0.9	1.3	1.6	2.1	2.8	3.3
88.5°	0.2	0.6	0.9	1.3	1.8	2.5



TEST NUMBER: P639509
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -1200LM -2700K

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

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report





21.5°	510.1	512.9	514.4	516.2	516.6	517.4	517.0	514.2	512.3	511.5	509.2
22°	506.9	509.8	511.3	514.1	513.8	515.4	514.1	512.6	509.9	509.3	506.2



44°	337.4	342.2	345.6	347.9	349.0	349.1	347.1	344.8	341.2	339.2	335.7
44.5°	332.8	336.8	339.3	342.1	343.3	342.9	342.2	339.6	336.3	333.1	329.8



66.5°	98.6	99.9	101.5	102.5	102.4	101.5	100.3	99.0	97.8	97.5	97.2
67°	94.8	95.8	97.4	98.3	98.4	97.2	96.0	94.7	93.6	93.4	92.9



89°	1.6	2.1	2.5	2.7	2.3	2.0	1.6	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

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

Scaled Data Report





21.5°	507.7	505.5	505.9	506.8	508.2	510.1
22°	504.3	502.0	503.5	504.7	505.2	506.9



44°	333.5	331.4	332.1	335.1	337.0	337.4
44.5°	328.7	325.7	326.8	330.3	331.3	332.8

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

Scaled Data Report



66.5°	97.7	97.9	99.0	99.4	98.9	98.6
67°	93.6	93.9	94.9	95.4	94.9	94.8

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

Scaled Data Report



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

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

Scaled Data Report



(END OF REPORT)