

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P855578

Luminaire Tested: **HLCE6129FS1EWH-2700K**

Issue Date: 7/16/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P855578
 Test Lab:
 Issue Date: 7/16/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: HLCE6129FS1EWH-2700K
 Description: 6IN 1200LM, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: 1223.3 (1 lamp)
 Luminaire Lumens: 1200.0 lumens
 Efficiency: 98.1%
 Efficacy: 81.1 lumens/watt
 Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
 Luminous Opening: Circular (Dia: 0.5' x H: 0')
 CIE Type: Direct

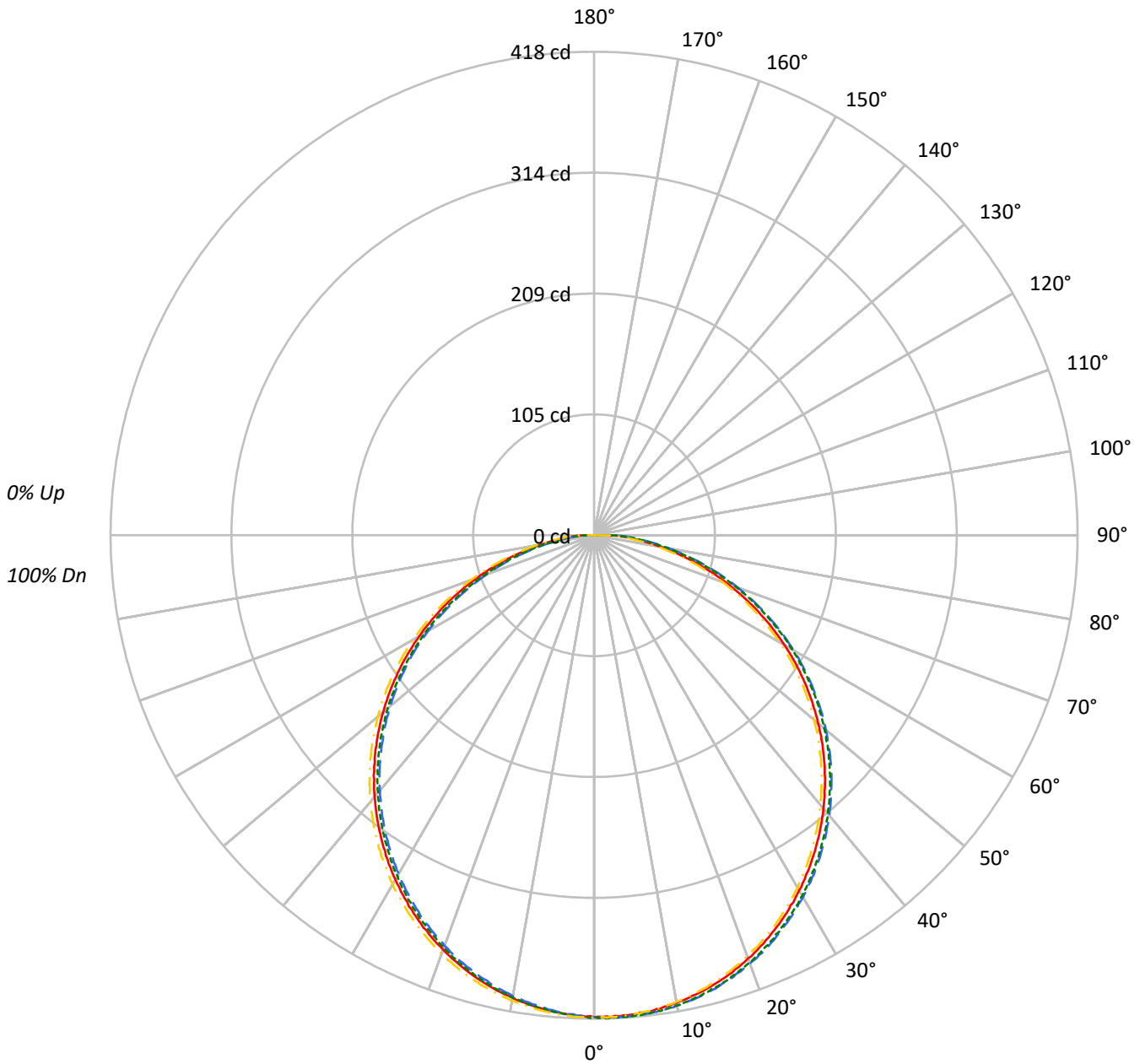
Input Watts (W): 14.8
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



Meas			
Instrument	Identificatio		Calibration Due Date
Photometer	GONIO 1	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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Luminous Intensity Polar Plot



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

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	117	117	117	117	114	114	114	114	109	109	109	104	104	104	100	100	100	100	100	100	98
1	106	101	97	93	104	99	95	92	95	92	89	91	88	86	88	85	83	88	85	83	81
2	96	88	81	75	94	86	80	75	83	77	73	80	75	71	77	73	70	77	73	70	67
3	88	77	69	63	85	76	68	62	73	66	61	70	64	60	67	63	59	67	63	59	57
4	80	68	60	53	78	67	59	53	65	57	52	62	56	51	60	55	50	60	55	50	48
5	74	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	44	54	48	44	42
6	68	55	46	40	66	54	46	39	52	45	39	51	44	39	49	43	38	49	43	38	36
7	63	50	41	35	61	49	41	35	47	40	35	46	39	34	45	39	34	45	39	34	32
8	59	45	37	31	57	45	37	31	43	36	31	42	36	31	41	35	31	41	35	31	29
9	55	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28	38	32	28	26
10	52	38	31	25	50	38	30	25	37	30	25	36	30	25	35	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22844	22844	22844	22844
5°	22887	22936	22744	22744
10°	22856	22984	22606	22589
15°	22809	22974	22446	22395
20°	22705	22933	22250	22122
25°	22604	22882	22005	21854
30°	22446	22795	21757	21522
35°	22285	22653	21462	21188
40°	22070	22506	21118	20789
45°	21855	22336	20746	20366
50°	21552	22140	20298	19863
55°	21247	21935	19794	19259
60°	20865	21698	19132	18485
65°	20365	21338	18290	17512
70°	19747	20901	17279	16253
75°	19042	20482	16013	14700
80°	18689	20520	14838	13070
85°	21260	23713	15536	12894

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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	39.4	3.3	3.2
10°-20°	112.7	9.4	9.2
20°-30°	170.2	14.2	13.9
30°-40°	204.7	17.1	16.7
40°-50°	212.2	17.7	17.3
50°-60°	192.2	16.0	15.7
60°-70°	147.8	12.3	12.1
70°-80°	87.9	7.3	7.2
80°-90°	32.8	2.7	2.7
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	322.3	26.9	26.3
0°-40°	527.0	43.9	43.1
0°-60°	931.5	77.6	76.1
0°-90°	1200.0	100.0	98.1
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	1200.0	100.0	98.1

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	417	417	417	417	417	
5°	416	417	413	413	416	39
15°	402	405	396	395	402	113
25°	374	378	364	361	374	172
35°	333	338	321	317	333	208
45°	282	288	268	263	282	217
55°	222	230	207	202	222	199
65°	157	164	141	135	157	155
75°	90	97	76	69	90	95
85°	34	38	25	20	34	38
90°	0	0	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°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
0.5°	416.1	416.6	417.1	416.5	417.5	417.8	417.2	416.7	415.7	416.2	416.2
1°	416.6	417.2	416.6	417.3	417.3	417.2	416.5	415.8	416.2	416.3	416.1
1.5°	416.1	416.6	417.4	417.0	417.9	417.9	417.3	416.3	415.6	416.1	415.6
2°	416.9	417.0	416.8	417.6	417.7	417.2	416.5	415.9	415.7	415.5	415.8
2.5°	415.9	416.8	417.1	417.1	417.3	417.7	417.1	415.9	414.9	415.6	414.6
3°	416.6	417.0	417.2	417.2	417.7	416.9	416.0	415.1	415.4	414.4	414.7
3.5°	415.8	416.6	417.0	417.2	417.1	417.7	416.5	415.5	414.4	414.9	413.9
4°	416.1	416.6	417.3	417.1	417.4	416.9	415.7	414.8	414.2	414.0	413.5
4.5°	415.6	416.6	416.7	416.9	417.2	416.9	416.1	414.6	413.6	413.8	413.1
5°	415.9	416.1	417.2	417.1	416.8	416.2	414.9	413.9	413.3	412.6	412.2
5.5°	414.7	416.3	416.4	416.9	417.0	416.5	415.4	413.8	412.6	412.8	412.1
6°	415.1	415.3	416.6	416.5	416.2	415.8	414.3	413.1	412.3	411.8	410.7
6.5°	414.3	415.5	416.1	416.7	416.2	415.4	414.2	412.7	411.3	411.1	410.8
7°	414.3	415.0	415.3	415.9	415.9	414.9	413.2	411.9	410.9	410.6	409.2
7.5°	413.1	415.1	415.7	416.0	415.0	414.4	413.4	411.4	410.1	409.4	409.0
8°	413.2	413.8	414.9	415.2	415.3	414.1	412.4	410.6	409.7	409.2	407.8
8.5°	412.2	414.2	414.8	415.2	414.1	413.2	411.8	410.3	408.5	408.1	407.4
9°	411.8	413.0	413.7	414.2	414.0	413.2	411.0	409.0	408.0	407.8	406.0
9.5°	411.2	413.0	414.0	414.2	413.0	412.1	410.7	408.8	407.2	406.1	405.2
10°	410.6	412.0	412.6	413.3	412.9	412.2	409.6	407.8	406.1	405.7	404.5
10.5°	409.6	411.5	412.8	413.2	412.3	410.7	409.0	407.0	405.1	404.3	403.2
11°	409.3	410.7	411.7	412.1	411.3	410.6	407.7	405.9	404.6	403.7	402.4
11.5°	408.4	410.1	411.0	411.7	411.1	409.2	407.4	405.3	403.3	402.6	401.1
12°	407.2	409.4	410.6	411.0	410.1	408.8	406.4	404.4	402.6	401.4	400.2
12.5°	406.7	408.3	409.7	410.1	409.0	407.3	405.6	403.4	401.4	400.5	398.9
13°	405.8	407.8	409.1	409.5	408.7	407.3	404.3	402.0	400.3	399.0	397.9
13.5°	405.0	406.7	407.7	408.4	407.4	406.0	403.5	401.3	399.1	398.3	396.2
14°	403.8	406.4	407.7	407.8	406.9	404.9	402.6	400.2	398.0	396.6	395.3
14.5°	403.1	404.7	406.3	407.2	405.4	404.1	401.2	399.0	396.8	395.9	394.1
15°	401.9	404.5	405.7	406.3	404.8	403.2	400.2	397.9	395.5	394.1	392.4
15.5°	400.8	402.9	404.6	404.8	404.0	402.2	399.3	396.3	394.4	393.4	391.5
16°	399.7	402.2	403.2	404.4	402.5	400.5	398.0	395.8	393.2	391.2	389.7
16.5°	398.8	400.9	402.6	402.9	402.0	400.2	396.7	394.3	391.6	390.8	388.8
17°	397.4	399.8	401.4	402.5	400.6	398.6	395.6	392.9	390.4	388.6	386.9
17.5°	396.6	398.4	400.5	400.7	399.2	397.5	394.2	391.2	389.0	387.5	385.9
18°	394.7	397.7	398.6	400.1	398.5	395.9	392.7	390.6	387.4	385.6	383.8
18.5°	393.9	396.3	398.1	398.6	396.8	395.1	391.6	388.5	386.1	384.5	382.6
19°	392.4	394.4	396.6	397.8	395.8	393.4	390.2	387.6	384.6	382.7	381.2
19.5°	391.1	393.9	395.4	396.0	394.3	392.2	388.9	385.5	383.0	381.3	379.0
20°	389.2	392.2	394.0	395.1	393.1	391.1	387.3	384.6	381.4	379.4	377.9
20.5°	388.4	391.2	392.7	393.4	392.0	389.4	385.8	382.4	379.6	377.5	375.5
21°	386.7	389.2	391.7	392.6	390.2	388.2	384.1	381.6	378.2	376.6	374.3
21.5°	385.3	388.5	389.9	390.8	389.1	386.1	383.1	379.3	376.7	374.3	372.3
22°	383.5	386.3	389.1	389.1	387.4	385.2	381.3	378.0	374.9	372.8	370.5

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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°	382.3	385.4	386.9	388.0	385.9	383.4	379.5	376.3	373.1	370.8	368.8
23°	380.3	383.3	385.9	386.3	384.6	382.3	377.9	374.4	370.9	369.1	366.8
23.5°	379.0	382.0	384.2	385.1	382.8	379.9	376.2	372.6	370.1	367.3	365.5
24°	377.0	380.2	382.8	383.4	381.7	378.8	374.7	371.2	367.7	365.5	362.9
24.5°	375.4	378.6	380.9	382.3	379.1	376.8	372.7	369.0	366.1	363.7	361.7
25°	373.7	376.8	379.2	379.9	378.3	375.0	371.3	367.3	363.8	361.3	359.0
25.5°	372.1	375.0	377.9	378.9	376.1	373.3	369.1	365.3	362.4	360.0	357.3
26°	370.1	373.6	375.5	376.7	374.4	371.6	367.6	364.0	359.9	357.5	355.2
26.5°	368.3	371.6	374.4	374.9	372.8	369.8	365.4	361.5	358.6	355.9	353.2
27°	366.5	369.7	372.2	373.4	371.0	367.6	363.7	360.0	355.7	353.3	351.2
27.5°	364.8	368.0	370.8	371.6	369.3	366.4	361.4	357.5	354.3	351.5	348.9
28°	362.3	366.4	368.7	369.9	367.3	364.0	360.0	356.3	352.1	349.5	347.2
28.5°	361.1	363.9	367.3	367.7	365.3	362.2	357.4	353.6	350.3	347.4	344.6
29°	358.7	362.7	364.6	366.4	363.9	359.9	356.0	352.1	347.7	345.0	342.6
29.5°	356.8	360.0	363.1	363.9	361.1	358.6	353.6	349.1	345.9	342.9	340.4
30°	354.6	358.7	361.3	362.6	360.1	356.1	351.9	347.8	343.7	340.9	337.6
30.5°	352.9	356.3	359.1	360.0	357.6	354.1	349.1	345.5	341.6	338.3	336.1
31°	350.5	354.8	357.5	358.7	355.8	351.9	347.7	343.4	339.3	336.4	333.3
31.5°	348.7	351.9	354.9	356.0	353.4	349.9	345.1	340.8	337.0	333.7	331.4
32°	346.1	350.3	353.3	354.5	351.6	348.0	343.3	339.0	335.1	331.9	328.5
32.5°	344.3	347.9	350.9	351.8	349.5	345.7	340.5	336.5	332.2	329.2	326.8
33°	342.0	346.3	349.3	349.9	347.0	343.6	338.8	334.4	330.5	327.1	323.9
33.5°	339.8	343.4	346.6	348.0	345.5	341.1	336.0	331.6	327.5	324.3	321.9
34°	337.2	341.5	344.5	345.8	342.7	339.4	334.1	329.9	325.5	322.2	319.0
34.5°	335.2	339.0	342.3	343.3	340.4	336.5	331.3	327.1	323.0	319.5	316.8
35°	333.0	336.7	340.2	341.1	338.5	334.6	329.5	325.4	320.7	317.6	314.5
35.5°	330.6	334.7	337.8	339.2	335.9	332.1	326.7	322.4	318.0	314.6	311.6
36°	328.0	332.1	335.2	336.4	333.8	329.6	324.6	320.4	315.8	312.4	309.4
36.5°	326.0	329.8	333.3	334.7	331.4	327.4	321.8	317.6	313.1	309.8	306.4
37°	323.5	327.5	330.8	331.8	329.0	325.2	319.8	315.6	310.7	307.2	304.3
37.5°	321.1	325.3	328.7	330.0	326.8	322.8	317.3	312.4	308.1	304.7	301.5
38°	318.4	322.4	326.1	327.3	324.1	320.0	314.8	310.8	305.6	302.1	298.9
38.5°	316.3	320.6	323.4	325.5	322.3	318.1	312.1	307.6	303.1	299.4	296.0
39°	313.6	317.6	321.2	322.3	319.2	315.3	309.8	305.4	300.3	296.7	293.3
39.5°	311.4	315.6	318.5	320.1	317.0	313.0	307.0	302.1	297.6	294.1	291.1
40°	308.4	312.5	316.7	317.5	314.5	310.0	304.4	300.3	295.1	291.2	288.0
40.5°	306.1	310.6	313.5	315.4	311.8	308.2	301.7	297.1	292.5	289.1	285.7
41°	303.4	307.6	311.4	312.4	309.5	304.9	299.2	294.8	289.8	286.0	282.5
41.5°	300.9	305.2	308.6	309.9	306.8	302.9	296.4	291.6	287.1	283.5	279.9
42°	297.7	302.3	306.0	307.6	304.4	299.6	293.8	289.7	284.1	280.4	277.3
42.5°	295.6	299.7	303.7	304.7	301.5	297.5	291.2	286.3	282.1	277.8	274.2
43°	292.7	297.1	300.7	302.5	299.1	294.5	288.3	284.1	278.7	275.0	271.7
43.5°	290.2	294.5	298.2	299.3	296.3	291.7	285.8	280.7	276.4	272.1	268.5
44°	287.0	291.7	295.4	297.1	293.5	288.9	282.8	278.6	273.0	269.3	266.1
44.5°	284.6	288.7	292.9	294.1	291.2	286.2	280.3	275.4	270.9	266.3	262.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	281.9	286.3	290.1	292.0	288.1	283.9	277.3	273.0	267.6	263.8	260.2
45.5°	278.9	283.3	287.2	288.5	285.6	280.7	274.9	269.5	265.0	260.5	257.0
46°	276.1	280.6	284.8	286.1	282.7	278.3	271.5	267.2	261.5	257.9	253.9
46.5°	273.4	277.8	281.7	283.3	279.7	275.0	269.1	264.1	259.1	254.4	251.4
47°	270.5	275.1	279.0	280.5	277.3	272.6	266.2	261.4	256.0	252.2	248.2
47.5°	267.8	272.1	276.2	277.8	274.1	269.3	263.3	258.0	253.2	248.8	245.4
48°	264.5	269.4	273.1	274.7	271.8	267.0	260.2	255.7	250.0	245.9	242.1
48.5°	262.1	266.3	270.4	272.0	268.2	263.7	257.4	252.2	247.0	242.6	239.6
49°	258.7	263.8	267.4	269.0	265.9	260.7	254.4	249.7	244.3	240.1	236.1
49.5°	256.0	260.5	264.8	266.6	262.8	257.9	251.3	246.3	241.2	236.6	233.3
50°	252.7	257.9	261.5	263.2	259.6	254.9	248.2	243.7	238.0	233.9	230.1
50.5°	250.2	254.5	258.8	260.7	257.0	252.0	245.4	240.4	235.1	230.7	226.9
51°	246.9	251.9	255.7	257.4	254.0	248.6	242.2	237.6	232.2	227.6	224.2
51.5°	244.1	248.7	252.6	254.7	251.1	246.2	239.3	234.2	228.9	224.6	220.8
52°	240.7	245.9	250.0	251.5	247.8	242.8	236.2	231.6	226.1	221.4	217.8
52.5°	238.0	242.5	246.5	248.6	245.1	239.9	233.2	228.2	222.6	218.2	214.3
53°	234.8	239.9	243.9	245.6	242.0	236.8	230.2	225.2	219.8	215.0	211.6
53.5°	231.9	236.5	240.6	242.6	238.7	233.6	226.9	221.8	216.3	212.1	208.1
54°	228.5	233.6	237.7	239.5	236.0	230.8	224.0	219.1	213.6	208.8	205.1
54.5°	225.6	230.3	234.3	236.4	232.6	227.6	220.8	215.6	210.0	205.7	201.7
55°	222.3	227.4	231.3	233.3	229.5	224.5	217.6	212.7	207.1	202.2	198.5
55.5°	219.3	224.3	228.4	230.2	226.5	221.2	214.2	209.1	203.7	199.4	195.5
56°	216.0	221.2	225.0	227.3	223.4	218.0	211.2	206.3	200.8	195.8	192.2
56.5°	213.1	217.8	222.1	223.8	220.4	214.8	208.1	202.8	197.2	192.9	189.1
57°	209.7	214.6	218.7	221.0	216.8	211.6	204.7	199.9	194.3	189.4	185.6
57.5°	206.7	211.5	215.5	217.6	213.9	208.5	201.5	196.4	190.9	186.4	182.6
58°	203.1	208.2	212.4	214.5	210.6	205.1	198.5	193.6	187.8	182.9	179.2
58.5°	200.1	205.1	209.0	211.0	207.5	202.1	195.1	189.9	184.3	179.7	175.7
59°	196.9	201.7	206.1	208.1	204.5	198.9	192.0	187.0	181.3	176.0	172.5
59.5°	193.6	198.9	202.4	204.9	201.0	195.8	188.6	183.3	177.8	173.1	169.0
60°	190.3	195.3	199.5	201.8	197.9	191.9	185.4	180.4	174.5	169.6	166.0
60.5°	187.0	192.4	196.1	198.5	194.6	189.2	182.1	176.7	171.1	166.4	162.4
61°	183.8	188.6	192.8	195.1	191.3	185.8	178.9	173.7	168.1	162.9	159.1
61.5°	180.3	185.7	189.8	191.9	188.0	182.7	175.4	170.1	164.6	159.7	155.7
62°	177.0	182.1	186.1	188.5	184.5	178.9	172.0	167.0	161.1	156.3	152.4
62.5°	173.7	179.1	183.1	185.4	181.3	175.8	168.7	163.4	158.1	152.8	149.3
63°	170.5	175.4	179.6	181.7	177.7	172.4	165.4	160.2	154.4	149.8	145.7
63.5°	166.9	172.4	176.4	178.6	174.6	169.1	161.8	156.7	151.4	146.1	142.5
64°	163.7	168.8	173.0	175.2	171.1	165.9	158.8	153.7	147.9	143.0	138.8
64.5°	160.2	165.6	169.4	172.0	167.8	162.4	155.2	150.1	144.7	139.4	135.6
65°	157.0	161.9	166.3	168.3	164.5	159.1	152.0	146.8	141.0	136.2	132.1
65.5°	153.6	158.8	162.7	165.2	161.0	155.7	148.4	143.3	137.9	132.5	128.7
66°	150.4	155.4	159.6	161.7	157.9	152.4	145.3	140.0	134.3	129.3	125.5
66.5°	146.7	152.1	156.1	158.4	154.4	148.7	141.8	136.6	131.1	125.9	122.0
67°	143.6	148.6	152.6	155.2	151.0	145.8	138.4	133.2	127.6	122.5	118.7

TEST NUMBER: P855578
 CATALOG NUMBER: HLCE6129FS1EWH-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	139.9	145.3	149.4	151.6	147.7	142.1	134.9	129.8	124.3	119.1	115.3
68°	136.7	141.9	145.9	148.3	144.1	138.8	131.8	126.6	121.0	115.9	112.0
68.5°	133.1	138.5	142.7	144.9	140.9	135.2	128.2	123.1	117.6	112.5	108.7
69°	129.9	134.9	138.9	141.7	137.1	132.1	124.9	119.7	114.2	109.2	105.2
69.5°	126.4	131.7	135.6	138.0	133.8	128.4	121.4	116.4	110.9	105.9	102.2
70°	123.2	128.2	132.3	134.7	130.4	125.2	118.2	113.1	107.8	102.5	98.7
70.5°	119.7	124.9	128.8	131.1	126.9	121.7	114.6	109.7	104.3	99.3	95.5
71°	116.3	121.3	125.6	127.8	123.7	118.3	111.5	106.3	101.1	95.9	92.1
71.5°	113.0	118.1	121.8	124.4	120.1	115.0	107.9	103.1	97.6	92.7	89.0
72°	109.7	114.6	118.7	120.9	116.8	111.6	104.7	99.7	94.6	89.4	85.8
72.5°	106.4	111.5	115.3	117.7	113.4	108.3	101.3	96.6	91.1	86.3	82.7
73°	102.9	107.9	112.0	114.2	110.1	104.7	97.9	93.1	88.2	83.2	79.6
73.5°	99.7	104.8	108.5	110.9	106.9	101.6	94.7	90.1	85.0	80.1	76.5
74°	96.4	101.3	105.1	107.4	103.3	98.2	91.5	86.8	81.9	77.0	73.4
74.5°	93.1	98.1	101.9	104.2	100.2	94.9	88.3	83.7	78.8	74.0	70.2
75°	89.9	94.6	98.4	100.9	96.7	91.6	85.2	80.6	75.6	70.7	67.3
75.5°	86.7	91.5	95.2	97.7	93.4	88.5	82.1	77.5	72.5	67.8	64.2
76°	83.5	88.2	91.9	94.1	90.2	85.3	79.0	74.4	69.5	64.8	61.3
76.5°	80.4	85.1	88.6	91.0	86.8	82.2	75.9	71.4	66.5	61.9	58.4
77°	77.2	81.7	85.4	87.6	83.7	79.0	72.8	68.3	63.6	58.9	55.6
77.5°	74.1	78.7	82.1	84.5	80.5	75.9	69.6	65.4	60.7	56.2	52.8
78°	71.0	75.5	79.1	81.2	77.4	72.7	66.7	62.4	57.7	53.2	50.0
78.5°	68.1	72.5	75.8	78.1	74.2	69.6	63.6	59.5	54.9	50.6	47.4
79°	65.1	69.4	72.8	74.9	71.1	66.7	60.7	56.6	52.2	48.0	44.8
79.5°	62.1	66.4	69.6	71.8	68.1	63.6	57.7	53.9	49.6	45.4	42.3
80°	59.2	63.5	66.7	68.7	65.0	60.7	54.9	51.1	47.0	42.8	39.9
80.5°	56.3	60.4	63.6	65.6	62.0	57.6	52.1	48.5	44.4	40.3	37.4
81°	53.4	57.6	60.6	62.6	59.1	54.9	49.5	45.8	41.9	38.0	35.1
81.5°	50.9	54.7	57.8	59.6	56.2	52.0	46.8	43.3	39.5	35.6	32.9
82°	48.1	52.0	54.9	56.8	53.4	49.3	44.3	40.8	37.1	33.5	30.7
82.5°	45.6	49.2	52.1	53.8	50.6	46.6	41.8	38.5	34.9	31.3	28.6
83°	43.0	46.7	49.3	51.2	47.9	44.1	39.3	36.1	32.8	29.2	26.6
83.5°	40.6	44.1	46.7	48.5	45.2	41.6	37.0	33.9	30.6	27.2	24.7
84°	38.1	41.5	44.1	45.8	42.6	39.1	34.7	31.7	28.6	25.3	22.9
84.5°	35.9	39.0	41.5	43.1	40.1	36.8	32.4	29.6	26.7	23.4	21.1
85°	33.8	36.8	39.1	40.7	37.7	34.4	30.2	27.6	24.7	21.7	19.3
85.5°	31.8	34.9	36.7	38.2	35.3	32.2	28.2	25.7	22.9	19.9	17.8
86°	29.7	32.7	34.8	35.9	33.0	30.0	26.2	23.8	21.2	18.4	16.3
86.5°	27.6	30.5	32.6	33.7	30.8	28.0	24.2	22.1	19.4	16.8	14.9
87°	25.6	28.3	30.4	31.6	28.8	25.9	22.5	20.3	17.9	15.4	13.6
87.5°	23.7	26.1	28.2	29.5	26.7	24.1	20.8	18.6	16.4	14.1	12.3
88°	21.9	24.2	26.0	27.4	24.8	22.2	19.0	17.1	14.9	12.8	11.1
88.5°	20.2	22.4	24.1	25.3	22.9	20.5	17.5	15.6	13.6	11.6	10.1
89°	18.5	20.6	22.3	23.4	21.1	18.7	16.0	14.3	12.4	10.5	9.2
89.5°	16.9	18.8	20.5	21.6	19.4	17.2	14.6	13.0	11.2	9.5	8.4

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



TEST NUMBER: P855578
CATALOG NUMBER: HLCE6129FS1EWH-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P855578
 CATALOG NUMBER: HLCE6129FS1EWH-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	416.7	416.7	416.7	416.7	416.7	416.7
0.5°	416.3	417.4	417.2	417.2	416.7	416.1
1°	416.2	416.5	416.5	416.6	416.1	416.6
1.5°	415.6	416.3	416.9	416.8	416.5	416.1
2°	415.7	416.3	416.4	416.7	416.1	416.9
2.5°	414.9	415.4	416.1	416.5	416.5	415.9
3°	414.6	415.7	415.7	416.1	415.6	416.6
3.5°	413.9	414.9	415.4	416.0	416.0	415.8
4°	413.2	414.2	414.9	415.6	415.5	416.1
4.5°	413.1	414.0	414.3	415.2	415.7	415.6
5°	412.1	413.3	414.1	414.4	414.5	415.9
5.5°	411.6	413.4	413.3	414.3	414.8	414.7
6°	410.7	411.8	413.5	413.8	413.9	415.1
6.5°	410.4	411.4	412.0	413.3	414.1	414.3
7°	409.3	411.0	412.0	412.7	413.0	414.3
7.5°	408.7	409.7	410.7	411.7	412.9	413.1
8°	407.5	409.7	410.8	411.6	412.1	413.2
8.5°	407.2	408.5	409.3	410.5	411.9	412.2
9°	405.8	407.5	409.1	410.2	411.0	411.8
9.5°	405.4	406.6	407.8	409.2	410.6	411.2
10°	403.9	405.8	407.1	408.8	409.4	410.6
10.5°	403.0	405.2	406.0	407.5	409.3	409.6
11°	402.1	403.4	405.3	406.8	407.6	409.3
11.5°	400.9	403.2	404.3	406.0	407.4	408.4
12°	399.7	401.7	403.1	405.4	406.3	407.2
12.5°	398.4	400.8	402.5	403.7	405.6	406.7
13°	397.7	399.3	401.2	403.1	404.2	405.8
13.5°	395.8	398.0	400.3	401.9	403.8	405.0
14°	395.1	397.2	398.7	401.2	402.6	403.8
14.5°	393.2	395.6	397.8	399.5	401.7	403.1
15°	392.7	394.6	396.4	398.7	400.2	401.9
15.5°	390.8	393.0	395.8	397.2	399.4	400.8
16°	389.8	391.6	393.6	396.5	398.0	399.7
16.5°	387.8	390.4	392.9	394.9	397.3	398.8
17°	386.6	388.6	391.0	394.0	395.5	397.4
17.5°	385.0	388.0	390.2	392.3	394.4	396.6
18°	383.5	385.7	387.9	391.1	393.0	394.7
18.5°	382.0	384.6	387.0	389.3	392.1	393.9
19°	380.2	382.7	385.3	388.4	390.1	392.4
19.5°	378.9	381.4	383.8	386.6	389.2	391.1
20°	376.7	379.2	381.9	385.4	387.4	389.2
20.5°	375.7	377.7	380.5	383.6	386.4	388.4
21°	373.3	376.5	378.9	382.2	384.2	386.7
21.5°	371.8	374.1	376.7	380.3	383.4	385.3
22°	369.5	372.9	375.6	378.7	381.3	383.5

TEST NUMBER: P855578
 CATALOG NUMBER: HLCE6129FS1EWH-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	368.4	370.9	373.4	377.0	379.8	382.3
23°	365.8	368.9	372.2	375.4	378.0	380.3
23.5°	364.4	367.1	369.8	373.6	376.7	379.0
24°	362.5	365.3	368.7	371.8	374.7	377.0
24.5°	360.4	363.8	366.3	369.8	373.3	375.4
25°	358.6	361.3	365.0	368.3	370.9	373.7
25.5°	356.6	359.4	362.6	366.2	369.7	372.1
26°	354.5	357.8	360.9	364.5	367.4	370.1
26.5°	352.4	355.0	358.8	362.5	366.2	368.3
27°	350.5	353.6	356.9	360.5	363.5	366.5
27.5°	347.9	351.3	354.7	358.7	362.1	364.8
28°	346.4	349.0	352.8	356.5	359.9	362.3
28.5°	343.7	347.3	350.9	354.7	358.2	361.1
29°	342.0	344.9	348.3	352.3	355.7	358.7
29.5°	338.9	343.0	346.7	351.0	354.2	356.8
30°	337.4	340.0	344.3	348.2	351.9	354.6
30.5°	334.8	338.3	342.2	346.5	350.0	352.9
31°	332.6	336.1	339.5	344.0	347.4	350.5
31.5°	330.0	333.3	337.7	342.2	345.7	348.7
32°	327.9	331.5	335.4	339.2	343.3	346.1
32.5°	325.6	328.6	333.0	337.8	341.5	344.3
33°	323.0	326.4	330.6	334.9	338.7	342.0
33.5°	321.0	324.1	328.3	333.1	336.7	339.8
34°	318.0	321.6	326.1	330.0	334.3	337.2
34.5°	315.9	319.6	323.5	328.5	332.0	335.2
35°	313.4	316.6	321.3	325.4	329.4	333.0
35.5°	310.6	314.6	318.4	323.5	327.5	330.6
36°	308.1	311.8	316.2	320.7	324.8	328.0
36.5°	305.5	309.3	313.4	318.4	322.8	326.0
37°	303.3	306.8	311.0	316.0	319.8	323.5
37.5°	300.3	304.1	308.4	313.4	317.8	321.1
38°	298.1	301.7	306.0	310.9	314.8	318.4
38.5°	294.9	298.9	303.3	308.2	312.5	316.3
39°	292.4	296.0	300.7	306.2	309.7	313.6
39.5°	289.8	293.7	298.3	303.1	307.5	311.4
40°	287.1	290.5	295.3	300.8	304.8	308.4
40.5°	284.3	288.4	292.8	297.8	302.3	306.1
41°	281.4	285.2	290.1	295.5	299.3	303.4
41.5°	279.0	282.9	287.6	292.4	297.0	300.9
42°	275.9	279.5	284.3	290.3	294.1	297.7
42.5°	273.4	277.0	282.1	287.2	291.6	295.6
43°	270.1	274.5	278.8	284.7	288.6	292.7
43.5°	267.6	271.3	276.5	281.5	286.1	290.2
44°	264.5	268.7	273.2	279.2	283.2	287.0
44.5°	261.9	265.8	270.7	275.9	280.7	284.6

TEST NUMBER: P855578

CATALOG NUMBER: HLCE6129FS1EWH-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	258.5	262.7	267.6	273.6	277.5	281.9
45.5°	255.6	259.9	264.8	270.3	275.1	278.9
46°	252.9	256.8	261.9	267.6	272.0	276.1
46.5°	249.9	254.2	258.8	264.7	269.6	273.4
47°	247.0	250.8	256.3	262.0	266.1	270.5
47.5°	243.9	248.0	253.0	258.8	263.6	267.8
48°	241.1	245.3	250.3	256.0	260.5	264.5
48.5°	237.7	241.8	247.1	253.2	257.6	262.1
49°	235.1	239.1	244.4	250.0	254.4	258.7
49.5°	231.7	236.0	241.0	247.1	251.8	256.0
50°	228.9	232.9	238.2	244.2	248.5	252.7
50.5°	225.6	229.8	235.1	241.2	245.9	250.2
51°	222.7	226.7	232.1	237.8	242.2	246.9
51.5°	219.1	223.9	228.7	235.2	239.6	244.1
52°	216.1	220.2	225.8	231.8	236.3	240.7
52.5°	212.9	217.5	222.8	229.0	233.6	238.0
53°	209.8	214.1	219.3	225.4	230.1	234.8
53.5°	206.7	210.9	216.3	223.0	227.3	231.9
54°	203.4	207.7	213.1	219.1	224.0	228.5
54.5°	200.4	204.5	209.9	216.5	220.9	225.6
55°	196.9	201.5	206.6	212.9	217.4	222.3
55.5°	194.1	198.1	203.6	210.1	214.6	219.3
56°	190.5	195.1	200.2	206.6	211.3	216.0
56.5°	187.4	191.8	197.0	203.7	208.1	213.1
57°	183.9	188.3	193.6	200.2	204.9	209.7
57.5°	180.9	185.3	190.4	197.0	201.5	206.7
58°	177.1	181.8	187.3	193.8	198.3	203.1
58.5°	174.1	178.6	183.8	190.5	195.2	200.1
59°	170.6	175.1	180.7	187.2	191.7	196.9
59.5°	167.2	172.0	177.1	184.0	188.5	193.6
60°	164.0	168.6	174.1	180.8	185.1	190.3
60.5°	160.6	165.1	170.5	177.2	182.1	187.0
61°	157.4	161.9	167.4	174.1	178.4	183.8
61.5°	153.9	158.5	163.8	170.6	175.2	180.3
62°	150.7	155.4	160.7	167.3	172.0	177.0
62.5°	147.0	151.8	157.0	163.9	168.6	173.7
63°	144.0	148.4	154.0	160.7	165.2	170.5
63.5°	140.4	145.3	150.5	157.2	162.0	166.9
64°	136.9	141.6	147.2	154.0	158.5	163.7
64.5°	133.5	138.3	143.7	150.4	155.2	160.2
65°	130.1	135.0	140.3	147.2	151.8	157.0
65.5°	126.8	131.4	136.9	143.8	148.4	153.6
66°	123.3	128.2	133.4	140.4	145.3	150.4
66.5°	120.0	124.7	130.2	136.8	141.7	146.7
67°	116.6	121.4	126.7	133.5	138.3	143.6

TEST NUMBER: P855578
 CATALOG NUMBER: HLCE6129FS1EWH-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	113.4	118.0	123.4	130.2	134.7	139.9
68°	109.9	114.6	119.9	126.8	131.5	136.7
68.5°	106.7	111.4	116.7	123.3	128.0	133.1
69°	103.2	107.9	113.2	120.0	124.8	129.9
69.5°	100.1	104.7	110.1	116.7	121.3	126.4
70°	96.7	101.4	106.4	113.2	118.0	123.2
70.5°	93.4	97.8	103.2	110.1	114.5	119.7
71°	90.1	94.7	99.9	106.6	111.2	116.3
71.5°	86.9	91.4	96.6	103.4	108.0	113.0
72°	83.8	88.2	93.2	99.9	104.5	109.7
72.5°	80.6	84.9	90.0	96.8	101.4	106.4
73°	77.5	81.7	86.8	93.4	97.9	102.9
73.5°	74.3	78.7	83.5	90.2	94.7	99.7
74°	71.4	75.4	80.5	86.8	91.3	96.4
74.5°	68.3	72.4	77.2	83.8	88.3	93.1
75°	65.3	69.4	74.2	80.5	84.9	89.9
75.5°	62.3	66.3	71.0	77.5	81.9	86.7
76°	59.3	63.4	68.1	74.3	78.7	83.5
76.5°	56.5	60.4	65.1	71.3	75.6	80.4
77°	53.6	57.5	62.1	68.3	72.5	77.2
77.5°	50.9	54.6	59.1	65.2	69.5	74.1
78°	48.2	51.9	56.3	62.4	66.5	71.0
78.5°	45.6	49.2	53.5	59.3	63.4	68.1
79°	43.1	46.5	50.8	56.6	60.7	65.1
79.5°	40.6	43.9	48.1	53.6	57.7	62.1
80°	38.1	41.4	45.4	51.0	54.9	59.2
80.5°	35.8	39.0	42.9	48.3	52.1	56.3
81°	33.5	36.6	40.5	45.7	49.4	53.4
81.5°	31.3	34.2	38.0	43.2	46.8	50.9
82°	29.2	32.1	35.6	40.7	44.3	48.1
82.5°	27.1	30.3	33.6	38.2	41.7	45.6
83°	25.2	28.3	31.5	36.0	39.3	43.0
83.5°	23.3	26.3	29.4	33.9	37.0	40.6
84°	21.6	24.3	27.4	31.8	34.5	38.1
84.5°	19.7	22.3	25.3	29.8	32.5	35.9
85°	18.1	20.5	23.4	27.7	30.5	33.8
85.5°	16.6	18.8	21.7	25.6	28.5	31.8
86°	15.2	17.2	19.9	23.8	26.5	29.7
86.5°	13.8	15.7	18.3	21.9	24.6	27.6
87°	12.5	14.3	16.7	20.3	22.8	25.6
87.5°	11.3	13.0	15.3	18.5	21.0	23.7
88°	10.2	11.7	13.9	17.0	19.3	21.9
88.5°	9.3	10.6	12.6	15.5	17.7	20.2
89°	8.4	9.5	11.4	14.2	16.2	18.5
89.5°	7.6	8.5	10.3	12.9	14.8	16.9

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


NVLAP Lab Code: 200050-0



TEST NUMBER: P855578
CATALOG NUMBER: HLCE6129FS1EWH-2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)