

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: P895730

Luminaire Tested: **RLWZC612-4000K**

Issue Date: 11/14/2024

Tested By:

Approved By:



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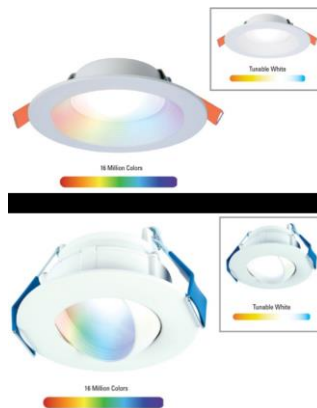
**Test Information**

Test Method: LM-79-08  
 Report Number: P895730  
 Test Lab:  
 Issue Date: 11/14/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: HALO  
 Catalog Number: RLWZC612-4000K  
 Description: 6IN DM WIZ SELECTABLE CCT  
 Light Source: WIZ SELECTABLE 90CRI / 4000K CCT  
 Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
 Luminaire Lumens: 1290.0 lumens  
 Efficiency: N/A  
 Efficacy: 102.4 lumens/watt  
 Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
 Luminous Opening: Circular (Dia: 0.5' x H: 0')  
 CIE Type: Direct

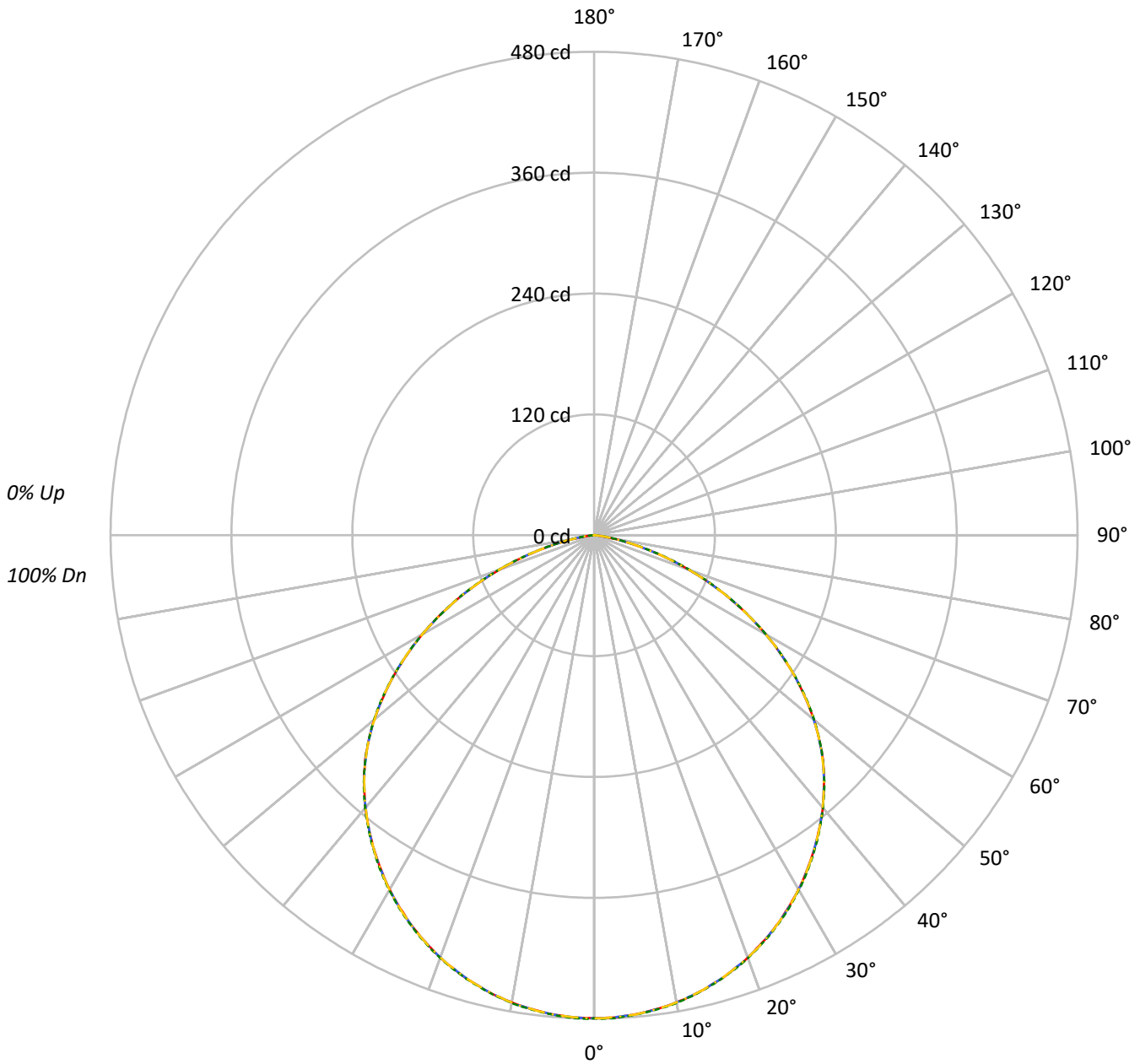
Input Watts (W): 12.6  
 Input Voltage (V): NR  
 Input Current (Ain): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 25 FT



Measurements		Calibration Due Date	
Instrument	Identification		
Photometer	GONIO 1 11111111	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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86				
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72				
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45				
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40				
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35				
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31				
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28				
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26				

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

	0°	90°	180°	270°
0°	26292	26292	26292	26292
5°	26266	26288	26266	26288
10°	26219	26252	26219	26252
15°	26135	26164	26135	26164
20°	26036	26060	26036	26060
25°	25876	25907	25876	25907
30°	25700	25744	25700	25744
35°	25484	25524	25484	25524
40°	25276	25305	25276	25305
45°	24948	24948	24948	24948
50°	24289	24332	24289	24332
55°	23187	23235	23187	23235
60°	21588	21632	21588	21632
65°	19315	19392	19315	19392
70°	16060	16221	16060	16221
75°	11628	11925	11628	11925
80°	6219	6851	6219	6851
85°	3271	3397	3271	3397

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.4	3.5
10°-20°	130.0	10.1
20°-30°	197.3	15.3
30°-40°	238.4	18.5
40°-50°	247.6	19.2
50°-60°	216.4	16.8
60°-70°	147.2	11.4
70°-80°	60.2	4.7
80°-90°	7.5	0.6
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°	372.7	28.9
0°-40°	611.1	47.4
0°-60°	1075.2	83.3
0°-90°	1290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1290.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	480	480	480	480	480	
5°	477	478	477	478	477	45
15°	460	461	460	461	460	130
25°	428	428	428	428	428	197
35°	381	381	381	381	381	238
45°	322	322	322	322	322	248
55°	243	243	243	243	243	216
65°	149	150	149	150	149	147
75°	55	56	55	56	55	60
85°	5	5	5	5	5	7
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°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6
0.5°	479.4	479.5	479.5	479.7	480.2	479.7	479.5	479.5	479.4	479.5	479.5
1°	479.5	479.5	479.5	479.7	480.1	479.7	479.5	479.5	479.5	479.5	479.5
1.5°	479.3	479.5	479.4	479.4	480.1	479.4	479.4	479.5	479.3	479.5	479.4
2°	479.3	479.3	479.1	479.2	479.9	479.2	479.1	479.3	479.3	479.3	479.1
2.5°	479.1	479.1	478.9	478.9	479.9	478.9	478.9	479.1	479.1	479.1	478.9
3°	478.8	478.9	478.7	478.6	479.4	478.6	478.7	478.9	478.8	478.9	478.7
3.5°	478.3	478.7	478.4	478.3	478.9	478.3	478.4	478.7	478.3	478.7	478.4
4°	477.9	478.5	478.1	478.1	478.6	478.1	478.1	478.5	477.9	478.5	478.1
4.5°	477.7	477.9	477.9	477.8	478.3	477.8	477.9	477.9	477.7	477.9	477.9
5°	477.3	477.6	477.5	477.5	477.7	477.5	477.5	477.6	477.3	477.6	477.5
5.5°	476.8	477.2	476.9	477.1	477.3	477.1	476.9	477.2	476.8	477.2	476.9
6°	476.3	476.7	476.3	476.6	476.8	476.6	476.3	476.7	476.3	476.7	476.3
6.5°	475.7	476.2	475.8	475.9	476.3	475.9	475.8	476.2	475.7	476.2	475.8
7°	475.1	475.6	475.3	475.3	475.7	475.3	475.3	475.6	475.1	475.6	475.3
7.5°	474.6	474.8	474.6	474.9	475.1	474.9	474.6	474.8	474.6	474.8	474.6
8°	473.9	474.3	473.9	474.3	474.3	474.3	473.9	474.3	473.9	474.3	473.9
8.5°	473.3	473.5	473.3	473.4	473.7	473.4	473.3	473.5	473.3	473.5	473.3
9°	472.5	472.8	472.7	472.7	473.3	472.7	472.7	472.8	472.5	472.8	472.7
9.5°	471.7	471.9	471.7	472.0	472.3	472.0	471.7	471.9	471.7	471.9	471.7
10°	471.0	471.1	471.0	471.1	471.6	471.1	471.0	471.1	471.0	471.1	471.0
10.5°	470.1	470.3	470.2	470.1	470.6	470.1	470.2	470.3	470.1	470.3	470.2
11°	469.4	469.5	469.2	469.3	469.8	469.3	469.2	469.5	469.4	469.5	469.2
11.5°	468.3	468.3	468.1	468.4	468.6	468.4	468.1	468.3	468.3	468.3	468.1
12°	467.5	467.4	467.1	467.5	467.7	467.5	467.1	467.4	467.5	467.4	467.1
12.5°	466.4	466.3	466.3	466.4	466.7	466.4	466.3	466.3	466.4	466.3	466.3
13°	465.3	465.2	465.1	465.3	465.6	465.3	465.1	465.2	465.3	465.2	465.1
13.5°	464.1	464.3	464.1	464.1	464.5	464.1	464.1	464.3	464.1	464.3	464.1
14°	463.0	463.2	462.8	462.9	463.2	462.9	462.8	463.2	463.0	463.2	462.8
14.5°	461.6	462.0	461.6	462.0	461.9	462.0	461.6	462.0	461.6	462.0	461.6
15°	460.5	460.6	460.4	461.0	461.0	461.0	460.4	460.6	460.5	460.6	460.4
15.5°	459.2	459.6	459.2	459.7	459.5	459.7	459.2	459.6	459.2	459.6	459.2
16°	458.1	458.1	457.9	458.3	458.5	458.3	457.9	458.1	458.1	458.1	457.9
16.5°	456.7	456.8	456.6	457.1	457.2	457.1	456.6	456.8	456.7	456.8	456.6
17°	455.1	455.3	455.1	455.7	455.6	455.7	455.1	455.3	455.1	455.3	455.1
17.5°	453.8	454.0	453.7	454.4	454.2	454.4	453.7	454.0	453.8	454.0	453.7
18°	452.2	452.5	452.2	452.8	452.9	452.8	452.2	452.5	452.2	452.5	452.2
18.5°	450.7	451.0	450.8	451.2	451.4	451.2	450.8	451.0	450.7	451.0	450.8
19°	449.5	449.7	449.3	449.7	449.8	449.7	449.3	449.7	449.5	449.7	449.3
19.5°	448.0	448.1	447.7	448.3	448.3	448.3	447.7	448.1	448.0	448.1	447.7
20°	446.3	446.2	446.1	446.3	446.7	446.3	446.1	446.2	446.3	446.2	446.1
20.5°	444.5	444.6	444.5	444.6	445.0	444.6	444.5	444.6	444.5	444.6	444.5
21°	442.7	442.9	442.8	442.9	443.3	442.9	442.8	442.9	442.7	442.9	442.8
21.5°	440.7	441.2	441.3	441.4	441.6	441.4	441.3	441.2	440.7	441.2	441.3
22°	439.1	439.5	439.4	439.7	439.8	439.7	439.4	439.5	439.1	439.5	439.4

TEST NUMBER: P895730  
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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°	437.3	437.6	437.4	437.9	437.9	437.9	437.4	437.6	437.3	437.6	437.4
23°	435.5	435.7	435.7	436.0	436.2	436.0	435.7	435.7	435.5	435.7	435.7
23.5°	433.7	433.9	433.8	434.2	434.4	434.2	433.8	433.9	433.7	433.9	433.8
24°	431.7	432.0	431.9	432.2	432.4	432.2	431.9	432.0	431.7	432.0	431.9
24.5°	429.8	430.0	430.0	430.0	430.3	430.0	430.0	430.0	429.8	430.0	430.0
25°	427.8	428.0	427.9	428.0	428.3	428.0	427.9	428.0	427.8	428.0	427.9
25.5°	425.8	425.9	425.8	425.9	426.6	425.9	425.8	425.9	425.8	425.9	425.8
26°	423.8	424.0	423.8	424.1	424.5	424.1	423.8	424.0	423.8	424.0	423.8
26.5°	421.4	421.8	421.8	422.0	422.3	422.0	421.8	421.8	421.4	421.8	421.8
27°	419.2	419.7	419.7	420.0	420.4	420.0	419.7	419.7	419.2	419.7	419.7
27.5°	417.2	417.6	417.6	417.7	418.2	417.7	417.6	417.6	417.2	417.6	417.6
28°	415.0	415.3	415.4	415.6	416.0	415.6	415.4	415.3	415.0	415.3	415.4
28.5°	412.7	413.0	413.1	413.5	413.6	413.5	413.1	413.0	412.7	413.0	413.1
29°	410.6	410.9	410.8	411.0	411.3	411.0	410.8	410.9	410.6	410.9	410.8
29.5°	408.3	408.6	408.4	408.8	408.9	408.8	408.4	408.6	408.3	408.6	408.4
30°	406.0	406.2	406.1	406.4	406.7	406.4	406.1	406.2	406.0	406.2	406.1
30.5°	403.7	403.9	403.9	404.0	404.5	404.0	403.9	403.9	403.7	403.9	403.9
31°	401.2	401.3	401.3	401.7	402.0	401.7	401.3	401.3	401.2	401.3	401.3
31.5°	398.8	399.0	399.0	399.4	399.6	399.4	399.0	399.0	398.8	399.0	399.0
32°	396.1	396.4	396.5	397.0	397.1	397.0	396.5	396.4	396.1	396.4	396.5
32.5°	393.6	393.9	393.8	394.6	394.6	394.6	393.8	393.9	393.6	393.9	393.8
33°	391.1	391.5	391.4	392.0	392.1	392.0	391.4	391.5	391.1	391.5	391.4
33.5°	388.5	388.9	388.8	389.5	389.6	389.5	388.8	388.9	388.5	388.9	388.8
34°	386.1	386.4	386.3	386.8	387.0	386.8	386.3	386.4	386.1	386.4	386.3
34.5°	383.5	383.9	383.7	384.0	384.2	384.0	383.7	383.9	383.5	383.9	383.7
35°	380.8	381.0	381.0	381.3	381.4	381.3	381.0	381.0	380.8	381.0	381.0
35.5°	378.3	378.4	378.3	378.8	378.9	378.8	378.3	378.4	378.3	378.4	378.3
36°	375.5	375.7	375.5	375.8	376.2	375.8	375.5	375.7	375.5	375.7	375.5
36.5°	372.8	372.9	372.9	373.1	373.5	373.1	372.9	372.9	372.8	372.9	372.9
37°	370.0	370.1	370.1	370.3	370.7	370.3	370.1	370.1	370.0	370.1	370.1
37.5°	367.3	367.4	367.4	367.6	367.8	367.6	367.4	367.4	367.3	367.4	367.4
38°	364.5	364.5	364.5	364.8	365.0	364.8	364.5	364.5	364.5	364.5	364.5
38.5°	361.8	361.7	361.6	362.0	362.2	362.0	361.6	361.7	361.8	361.7	361.6
39°	359.0	358.8	358.6	359.0	359.3	359.0	358.6	358.8	359.0	358.8	358.6
39.5°	356.1	356.0	355.8	356.2	356.4	356.2	355.8	356.0	356.1	356.0	355.8
40°	353.2	352.9	352.9	353.3	353.6	353.3	352.9	352.9	353.2	352.9	352.9
40.5°	350.0	350.1	349.9	350.2	350.5	350.2	349.9	350.1	350.0	350.1	349.9
41°	347.0	347.1	346.8	347.2	347.5	347.2	346.8	347.1	347.0	347.1	346.8
41.5°	344.0	344.0	343.8	344.1	344.5	344.1	343.8	344.0	344.0	344.0	343.8
42°	341.0	341.0	340.7	341.1	341.5	341.1	340.7	341.0	341.0	341.0	340.7
42.5°	337.9	338.0	337.6	337.8	338.5	337.8	337.6	338.0	337.9	338.0	337.6
43°	334.8	334.9	334.6	334.6	335.2	334.6	334.6	334.9	334.8	334.9	334.6
43.5°	331.7	331.6	331.3	331.4	331.8	331.4	331.3	331.6	331.7	331.6	331.3
44°	328.6	328.5	328.1	328.1	328.6	328.1	328.1	328.5	328.6	328.5	328.1
44.5°	325.2	325.3	325.0	325.0	325.2	325.0	325.0	325.3	325.2	325.3	325.0

TEST NUMBER: P895730  
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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	321.8	321.9	321.5	321.5	321.8	321.5	321.5	321.9	321.8	321.9	321.5
45.5°	318.6	318.6	318.1	318.3	318.3	318.3	318.1	318.6	318.6	318.6	318.1
46°	315.1	315.2	314.4	314.9	315.0	314.9	314.4	315.2	315.1	315.2	314.4
46.5°	311.5	311.6	311.1	311.2	311.6	311.2	311.1	311.6	311.5	311.6	311.1
47°	307.6	307.8	307.5	307.6	307.8	307.6	307.5	307.8	307.6	307.8	307.5
47.5°	303.9	304.1	303.8	304.0	304.2	304.0	303.8	304.1	303.9	304.1	303.8
48°	300.3	300.3	300.1	300.3	300.6	300.3	300.1	300.3	300.3	300.3	300.1
48.5°	296.5	296.6	296.3	296.6	296.8	296.6	296.3	296.6	296.5	296.6	296.3
49°	292.8	292.7	292.5	292.8	293.0	292.8	292.5	292.7	292.8	292.7	292.5
49.5°	288.9	288.7	288.6	288.8	289.1	288.8	288.6	288.7	288.9	288.7	288.6
50°	284.8	284.8	284.6	284.9	285.3	284.9	284.6	284.8	284.8	284.8	284.6
50.5°	280.6	280.7	280.7	280.9	281.3	280.9	280.7	280.7	280.6	280.7	280.7
51°	276.4	276.5	276.6	276.8	277.4	276.8	276.6	276.5	276.4	276.5	276.6
51.5°	272.2	272.5	272.6	272.8	273.2	272.8	272.6	272.5	272.2	272.5	272.6
52°	268.1	268.4	268.4	268.7	269.1	268.7	268.4	268.4	268.1	268.4	268.4
52.5°	264.0	264.0	264.1	264.2	264.8	264.2	264.1	264.0	264.0	264.0	264.1
53°	259.9	259.8	260.0	260.0	260.6	260.0	260.0	259.8	259.9	259.8	260.0
53.5°	255.4	255.6	255.7	255.9	256.2	255.9	255.7	255.6	255.4	255.6	255.7
54°	251.1	251.1	251.2	251.5	251.7	251.5	251.2	251.1	251.1	251.1	251.2
54.5°	246.9	246.9	246.9	247.1	247.4	247.1	246.9	246.9	246.9	246.9	246.9
55°	242.6	242.5	242.5	242.7	243.1	242.7	242.5	242.5	242.6	242.5	242.5
55.5°	238.0	238.3	238.2	238.4	238.5	238.4	238.2	238.3	238.0	238.3	238.2
56°	233.4	233.7	233.6	233.9	234.1	233.9	233.6	233.7	233.4	233.7	233.6
56.5°	229.0	229.2	229.3	229.3	229.6	229.3	229.3	229.2	229.0	229.2	229.3
57°	224.5	224.6	224.7	224.8	225.1	224.8	224.7	224.6	224.5	224.6	224.7
57.5°	220.0	220.1	220.1	220.3	220.4	220.3	220.1	220.1	220.0	220.1	220.1
58°	215.3	215.6	215.5	215.7	215.9	215.7	215.5	215.6	215.3	215.6	215.5
58.5°	211.0	211.2	211.0	211.1	211.2	211.1	211.0	211.2	211.0	211.2	211.0
59°	206.4	206.5	206.3	206.5	206.5	206.5	206.3	206.5	206.4	206.5	206.3
59.5°	201.6	201.7	201.6	201.8	201.8	201.8	201.6	201.7	201.6	201.7	201.6
60°	196.9	196.9	197.0	197.1	197.3	197.1	197.0	196.9	196.9	196.9	197.0
60.5°	192.1	192.4	192.3	192.5	192.5	192.5	192.3	192.4	192.1	192.4	192.3
61°	187.4	187.5	187.6	187.8	187.8	187.8	187.6	187.5	187.4	187.5	187.6
61.5°	182.8	182.8	182.8	182.9	182.9	182.9	182.8	182.8	182.8	182.8	182.8
62°	178.1	178.1	178.0	178.2	178.1	178.2	178.0	178.1	178.1	178.1	178.0
62.5°	173.3	173.3	173.2	173.4	173.5	173.4	173.2	173.3	173.3	173.3	173.2
63°	168.4	168.3	168.3	168.4	168.6	168.4	168.3	168.3	168.4	168.3	168.3
63.5°	163.6	163.6	163.6	163.7	163.8	163.7	163.6	163.6	163.6	163.6	163.6
64°	158.6	158.6	158.7	158.8	158.9	158.8	158.7	158.6	158.6	158.6	158.7
64.5°	153.7	153.8	153.9	154.0	154.3	154.0	153.9	153.8	153.7	153.8	153.9
65°	148.9	149.0	149.1	149.3	149.5	149.3	149.1	149.0	148.9	149.0	149.1
65.5°	144.0	144.0	144.2	144.4	144.8	144.4	144.2	144.0	144.0	144.0	144.2
66°	139.0	139.2	139.2	139.4	139.6	139.4	139.2	139.2	139.0	139.2	139.2
66.5°	134.2	134.1	134.2	134.4	134.9	134.4	134.2	134.1	134.2	134.1	134.2
67°	129.4	129.4	129.4	129.7	130.1	129.7	129.4	129.4	129.4	129.4	129.4



TEST NUMBER: P895730  
 CATALOG NUMBER: RLWZC612-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	124.4	124.5	124.4	124.8	125.3	124.8	124.4	124.5	124.4	124.5	124.4
68°	119.5	119.6	119.7	120.0	120.4	120.0	119.7	119.6	119.5	119.6	119.7
68.5°	114.6	114.7	114.8	115.2	115.6	115.2	114.8	114.7	114.6	114.7	114.8
69°	109.9	109.9	110.1	110.3	110.8	110.3	110.1	109.9	109.9	109.9	110.1
69.5°	105.1	105.2	105.3	105.6	106.0	105.6	105.3	105.2	105.1	105.2	105.3
70°	100.2	100.4	100.5	100.8	101.2	100.8	100.5	100.4	100.2	100.4	100.5
70.5°	95.8	95.7	95.7	96.0	96.4	96.0	95.7	95.7	95.8	95.7	95.7
71°	91.0	90.9	91.0	91.3	91.6	91.3	91.0	90.9	91.0	90.9	91.0
71.5°	86.3	86.3	86.3	86.7	87.1	86.7	86.3	86.3	86.3	86.3	86.3
72°	81.7	81.7	81.8	82.3	82.5	82.3	81.8	81.7	81.7	81.7	81.8
72.5°	77.0	77.1	77.2	77.6	78.0	77.6	77.2	77.1	77.0	77.1	77.2
73°	72.3	72.5	72.7	73.2	73.5	73.2	72.7	72.5	72.3	72.5	72.7
73.5°	68.0	68.1	68.2	68.7	69.1	68.7	68.2	68.1	68.0	68.1	68.2
74°	63.6	63.8	64.0	64.5	64.9	64.5	64.0	63.8	63.6	63.8	64.0
74.5°	59.2	59.3	59.6	60.2	60.5	60.2	59.6	59.3	59.2	59.3	59.6
75°	54.9	55.2	55.4	56.0	56.3	56.0	55.4	55.2	54.9	55.2	55.4
75.5°	50.8	51.1	51.3	51.9	52.2	51.9	51.3	51.1	50.8	51.1	51.3
76°	46.8	47.0	47.3	47.7	47.9	47.7	47.3	47.0	46.8	47.0	47.3
76.5°	43.0	43.0	43.3	43.8	44.1	43.8	43.3	43.0	43.0	43.0	43.3
77°	39.2	39.3	39.6	40.2	40.4	40.2	39.6	39.3	39.2	39.3	39.6
77.5°	35.4	35.6	36.0	36.7	36.9	36.7	36.0	35.6	35.4	35.6	36.0
78°	31.8	32.2	32.7	33.3	33.6	33.3	32.7	32.2	31.8	32.2	32.7
78.5°	28.5	28.8	29.3	30.0	30.4	30.0	29.3	28.8	28.5	28.8	29.3
79°	25.4	25.6	26.2	27.0	27.4	27.0	26.2	25.6	25.4	25.6	26.2
79.5°	22.4	22.6	23.1	23.9	24.5	23.9	23.1	22.6	22.4	22.6	23.1
80°	19.7	20.0	20.6	21.1	21.7	21.1	20.6	20.0	19.7	20.0	20.6
80.5°	17.1	17.5	18.0	18.7	19.4	18.7	18.0	17.5	17.1	17.5	18.0
81°	14.8	15.2	15.8	16.4	17.1	16.4	15.8	15.2	14.8	15.2	15.8
81.5°	12.7	13.0	13.8	14.6	15.4	14.6	13.8	13.0	12.7	13.0	13.8
82°	10.9	11.2	12.0	12.7	13.6	12.7	12.0	11.2	10.9	11.2	12.0
82.5°	9.3	9.7	10.5	11.1	11.8	11.1	10.5	9.7	9.3	9.7	10.5
83°	8.2	8.5	9.2	9.7	10.2	9.7	9.2	8.5	8.2	8.5	9.2
83.5°	7.2	7.5	8.0	8.3	8.8	8.3	8.0	7.5	7.2	7.5	8.0
84°	6.4	6.6	6.9	7.3	7.6	7.3	6.9	6.6	6.4	6.6	6.9
84.5°	5.7	5.8	6.0	6.2	6.4	6.2	6.0	5.8	5.7	5.8	6.0
85°	5.2	5.1	5.2	5.3	5.4	5.3	5.2	5.1	5.2	5.1	5.2
85.5°	4.4	4.5	4.6	4.5	4.5	4.5	4.6	4.5	4.4	4.5	4.6
86°	3.9	4.0	4.1	3.9	3.9	3.9	4.1	4.0	3.9	4.0	4.1
86.5°	3.2	3.2	3.4	3.3	3.4	3.3	3.4	3.2	3.2	3.2	3.4
87°	2.7	2.8	2.7	2.9	2.9	2.9	2.7	2.8	2.7	2.8	2.7
87.5°	2.1	2.2	2.3	2.2	2.3	2.2	2.3	2.2	2.1	2.2	2.3
88°	1.6	1.6	1.7	1.9	1.9	1.9	1.7	1.6	1.6	1.6	1.7
88.5°	0.9	1.1	1.4	1.6	1.6	1.6	1.4	1.1	0.9	1.1	1.4
89°	0.5	0.7	1.0	1.3	1.3	1.3	1.0	0.7	0.5	0.7	1.0
89.5°	0.0	0.4	0.8	1.0	0.9	1.0	0.8	0.4	0.0	0.4	0.8

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



TEST NUMBER: P895730  
CATALOG NUMBER: RLWZC612-4000K

**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: P895730  
 CATALOG NUMBER: RLWZC612-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	479.6	479.6	479.6	479.6	479.6	479.6
0.5°	479.7	480.2	479.7	479.5	479.5	479.4
1°	479.7	480.1	479.7	479.5	479.5	479.5
1.5°	479.4	480.1	479.4	479.4	479.5	479.3
2°	479.2	479.9	479.2	479.1	479.3	479.3
2.5°	478.9	479.9	478.9	478.9	479.1	479.1
3°	478.6	479.4	478.6	478.7	478.9	478.8
3.5°	478.3	478.9	478.3	478.4	478.7	478.3
4°	478.1	478.6	478.1	478.1	478.5	477.9
4.5°	477.8	478.3	477.8	477.9	477.9	477.7
5°	477.5	477.7	477.5	477.5	477.6	477.3
5.5°	477.1	477.3	477.1	476.9	477.2	476.8
6°	476.6	476.8	476.6	476.3	476.7	476.3
6.5°	475.9	476.3	475.9	475.8	476.2	475.7
7°	475.3	475.7	475.3	475.3	475.6	475.1
7.5°	474.9	475.1	474.9	474.6	474.8	474.6
8°	474.3	474.3	474.3	473.9	474.3	473.9
8.5°	473.4	473.7	473.4	473.3	473.5	473.3
9°	472.7	473.3	472.7	472.7	472.8	472.5
9.5°	472.0	472.3	472.0	471.7	471.9	471.7
10°	471.1	471.6	471.1	471.0	471.1	471.0
10.5°	470.1	470.6	470.1	470.2	470.3	470.1
11°	469.3	469.8	469.3	469.2	469.5	469.4
11.5°	468.4	468.6	468.4	468.1	468.3	468.3
12°	467.5	467.7	467.5	467.1	467.4	467.5
12.5°	466.4	466.7	466.4	466.3	466.3	466.4
13°	465.3	465.6	465.3	465.1	465.2	465.3
13.5°	464.1	464.5	464.1	464.1	464.3	464.1
14°	462.9	463.2	462.9	462.8	463.2	463.0
14.5°	462.0	461.9	462.0	461.6	462.0	461.6
15°	461.0	461.0	461.0	460.4	460.6	460.5
15.5°	459.7	459.5	459.7	459.2	459.6	459.2
16°	458.3	458.5	458.3	457.9	458.1	458.1
16.5°	457.1	457.2	457.1	456.6	456.8	456.7
17°	455.7	455.6	455.7	455.1	455.3	455.1
17.5°	454.4	454.2	454.4	453.7	454.0	453.8
18°	452.8	452.9	452.8	452.2	452.5	452.2
18.5°	451.2	451.4	451.2	450.8	451.0	450.7
19°	449.7	449.8	449.7	449.3	449.7	449.5
19.5°	448.3	448.3	448.3	447.7	448.1	448.0
20°	446.3	446.7	446.3	446.1	446.2	446.3
20.5°	444.6	445.0	444.6	444.5	444.6	444.5
21°	442.9	443.3	442.9	442.8	442.9	442.7
21.5°	441.4	441.6	441.4	441.3	441.2	440.7
22°	439.7	439.8	439.7	439.4	439.5	439.1

TEST NUMBER: P895730  
 CATALOG NUMBER: RLWZC612-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	437.9	437.9	437.9	437.4	437.6	437.3
23°	436.0	436.2	436.0	435.7	435.7	435.5
23.5°	434.2	434.4	434.2	433.8	433.9	433.7
24°	432.2	432.4	432.2	431.9	432.0	431.7
24.5°	430.0	430.3	430.0	430.0	430.0	429.8
25°	428.0	428.3	428.0	427.9	428.0	427.8
25.5°	425.9	426.6	425.9	425.8	425.9	425.8
26°	424.1	424.5	424.1	423.8	424.0	423.8
26.5°	422.0	422.3	422.0	421.8	421.8	421.4
27°	420.0	420.4	420.0	419.7	419.7	419.2
27.5°	417.7	418.2	417.7	417.6	417.6	417.2
28°	415.6	416.0	415.6	415.4	415.3	415.0
28.5°	413.5	413.6	413.5	413.1	413.0	412.7
29°	411.0	411.3	411.0	410.8	410.9	410.6
29.5°	408.8	408.9	408.8	408.4	408.6	408.3
30°	406.4	406.7	406.4	406.1	406.2	406.0
30.5°	404.0	404.5	404.0	403.9	403.9	403.7
31°	401.7	402.0	401.7	401.3	401.3	401.2
31.5°	399.4	399.6	399.4	399.0	399.0	398.8
32°	397.0	397.1	397.0	396.5	396.4	396.1
32.5°	394.6	394.6	394.6	393.8	393.9	393.6
33°	392.0	392.1	392.0	391.4	391.5	391.1
33.5°	389.5	389.6	389.5	388.8	388.9	388.5
34°	386.8	387.0	386.8	386.3	386.4	386.1
34.5°	384.0	384.2	384.0	383.7	383.9	383.5
35°	381.3	381.4	381.3	381.0	381.0	380.8
35.5°	378.8	378.9	378.8	378.3	378.4	378.3
36°	375.8	376.2	375.8	375.5	375.7	375.5
36.5°	373.1	373.5	373.1	372.9	372.9	372.8
37°	370.3	370.7	370.3	370.1	370.1	370.0
37.5°	367.6	367.8	367.6	367.4	367.4	367.3
38°	364.8	365.0	364.8	364.5	364.5	364.5
38.5°	362.0	362.2	362.0	361.6	361.7	361.8
39°	359.0	359.3	359.0	358.6	358.8	359.0
39.5°	356.2	356.4	356.2	355.8	356.0	356.1
40°	353.3	353.6	353.3	352.9	352.9	353.2
40.5°	350.2	350.5	350.2	349.9	350.1	350.0
41°	347.2	347.5	347.2	346.8	347.1	347.0
41.5°	344.1	344.5	344.1	343.8	344.0	344.0
42°	341.1	341.5	341.1	340.7	341.0	341.0
42.5°	337.8	338.5	337.8	337.6	338.0	337.9
43°	334.6	335.2	334.6	334.6	334.9	334.8
43.5°	331.4	331.8	331.4	331.3	331.6	331.7
44°	328.1	328.6	328.1	328.1	328.5	328.6
44.5°	325.0	325.2	325.0	325.0	325.3	325.2

TEST NUMBER: P895730  
 CATALOG NUMBER: RLWZC612-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	321.5	321.8	321.5	321.5	321.9	321.8
45.5°	318.3	318.3	318.3	318.1	318.6	318.6
46°	314.9	315.0	314.9	314.4	315.2	315.1
46.5°	311.2	311.6	311.2	311.1	311.6	311.5
47°	307.6	307.8	307.6	307.5	307.8	307.6
47.5°	304.0	304.2	304.0	303.8	304.1	303.9
48°	300.3	300.6	300.3	300.1	300.3	300.3
48.5°	296.6	296.8	296.6	296.3	296.6	296.5
49°	292.8	293.0	292.8	292.5	292.7	292.8
49.5°	288.8	289.1	288.8	288.6	288.7	288.9
50°	284.9	285.3	284.9	284.6	284.8	284.8
50.5°	280.9	281.3	280.9	280.7	280.7	280.6
51°	276.8	277.4	276.8	276.6	276.5	276.4
51.5°	272.8	273.2	272.8	272.6	272.5	272.2
52°	268.7	269.1	268.7	268.4	268.4	268.1
52.5°	264.2	264.8	264.2	264.1	264.0	264.0
53°	260.0	260.6	260.0	260.0	259.8	259.9
53.5°	255.9	256.2	255.9	255.7	255.6	255.4
54°	251.5	251.7	251.5	251.2	251.1	251.1
54.5°	247.1	247.4	247.1	246.9	246.9	246.9
55°	242.7	243.1	242.7	242.5	242.5	242.6
55.5°	238.4	238.5	238.4	238.2	238.3	238.0
56°	233.9	234.1	233.9	233.6	233.7	233.4
56.5°	229.3	229.6	229.3	229.3	229.2	229.0
57°	224.8	225.1	224.8	224.7	224.6	224.5
57.5°	220.3	220.4	220.3	220.1	220.1	220.0
58°	215.7	215.9	215.7	215.5	215.6	215.3
58.5°	211.1	211.2	211.1	211.0	211.2	211.0
59°	206.5	206.5	206.5	206.3	206.5	206.4
59.5°	201.8	201.8	201.8	201.6	201.7	201.6
60°	197.1	197.3	197.1	197.0	196.9	196.9
60.5°	192.5	192.5	192.5	192.3	192.4	192.1
61°	187.8	187.8	187.8	187.6	187.5	187.4
61.5°	182.9	182.9	182.9	182.8	182.8	182.8
62°	178.2	178.1	178.2	178.0	178.1	178.1
62.5°	173.4	173.5	173.4	173.2	173.3	173.3
63°	168.4	168.6	168.4	168.3	168.3	168.4
63.5°	163.7	163.8	163.7	163.6	163.6	163.6
64°	158.8	158.9	158.8	158.7	158.6	158.6
64.5°	154.0	154.3	154.0	153.9	153.8	153.7
65°	149.3	149.5	149.3	149.1	149.0	148.9
65.5°	144.4	144.8	144.4	144.2	144.0	144.0
66°	139.4	139.6	139.4	139.2	139.2	139.0
66.5°	134.4	134.9	134.4	134.2	134.1	134.2
67°	129.7	130.1	129.7	129.4	129.4	129.4

TEST NUMBER: P895730  
 CATALOG NUMBER: RLWZC612-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	124.8	125.3	124.8	124.4	124.5	124.4
68°	120.0	120.4	120.0	119.7	119.6	119.5
68.5°	115.2	115.6	115.2	114.8	114.7	114.6
69°	110.3	110.8	110.3	110.1	109.9	109.9
69.5°	105.6	106.0	105.6	105.3	105.2	105.1
70°	100.8	101.2	100.8	100.5	100.4	100.2
70.5°	96.0	96.4	96.0	95.7	95.7	95.8
71°	91.3	91.6	91.3	91.0	90.9	91.0
71.5°	86.7	87.1	86.7	86.3	86.3	86.3
72°	82.3	82.5	82.3	81.8	81.7	81.7
72.5°	77.6	78.0	77.6	77.2	77.1	77.0
73°	73.2	73.5	73.2	72.7	72.5	72.3
73.5°	68.7	69.1	68.7	68.2	68.1	68.0
74°	64.5	64.9	64.5	64.0	63.8	63.6
74.5°	60.2	60.5	60.2	59.6	59.3	59.2
75°	56.0	56.3	56.0	55.4	55.2	54.9
75.5°	51.9	52.2	51.9	51.3	51.1	50.8
76°	47.7	47.9	47.7	47.3	47.0	46.8
76.5°	43.8	44.1	43.8	43.3	43.0	43.0
77°	40.2	40.4	40.2	39.6	39.3	39.2
77.5°	36.7	36.9	36.7	36.0	35.6	35.4
78°	33.3	33.6	33.3	32.7	32.2	31.8
78.5°	30.0	30.4	30.0	29.3	28.8	28.5
79°	27.0	27.4	27.0	26.2	25.6	25.4
79.5°	23.9	24.5	23.9	23.1	22.6	22.4
80°	21.1	21.7	21.1	20.6	20.0	19.7
80.5°	18.7	19.4	18.7	18.0	17.5	17.1
81°	16.4	17.1	16.4	15.8	15.2	14.8
81.5°	14.6	15.4	14.6	13.8	13.0	12.7
82°	12.7	13.6	12.7	12.0	11.2	10.9
82.5°	11.1	11.8	11.1	10.5	9.7	9.3
83°	9.7	10.2	9.7	9.2	8.5	8.2
83.5°	8.3	8.8	8.3	8.0	7.5	7.2
84°	7.3	7.6	7.3	6.9	6.6	6.4
84.5°	6.2	6.4	6.2	6.0	5.8	5.7
85°	5.3	5.4	5.3	5.2	5.1	5.2
85.5°	4.5	4.5	4.5	4.6	4.5	4.4
86°	3.9	3.9	3.9	4.1	4.0	3.9
86.5°	3.3	3.4	3.3	3.4	3.2	3.2
87°	2.9	2.9	2.9	2.7	2.8	2.7
87.5°	2.2	2.3	2.2	2.3	2.2	2.1
88°	1.9	1.9	1.9	1.7	1.6	1.6
88.5°	1.6	1.6	1.6	1.4	1.1	0.9
89°	1.3	1.3	1.3	1.0	0.7	0.5
89.5°	1.0	0.9	1.0	0.8	0.4	0.0

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

  
NVLAP Lab Code: 200050-0



TEST NUMBER: P895730  
CATALOG NUMBER: RLWZC612-4000K

**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)