

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: P895720

Luminaire Tested: **RAWZC610-6500K**

Issue Date: 11/14/2024

Tested By:

Approved By:



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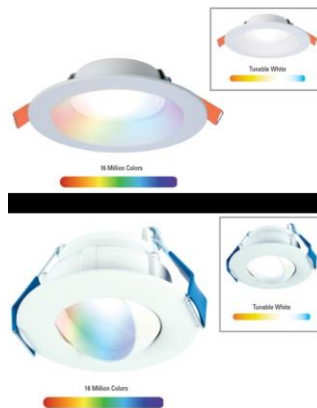
**Test Information**

Test Method: LM-79-08  
 Report Number: P895720  
 Test Lab:  
 Issue Date: 11/14/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: HALO  
 Catalog Number: RAWZC610-6500K  
 Description: 6IN ADJUSTABLE WiZ SELECTABLE CCT  
 Light Source: WiZ SELECTABLE 90CRI / 6500K CCT  
 Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
 Luminaire Lumens: 1085.0 lumens  
 Efficiency: N/A  
 Efficacy: 103.3 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.2  
 Luminous Opening: Circular (Dia: 0.5' x H: 0')  
 CIE Type: Direct

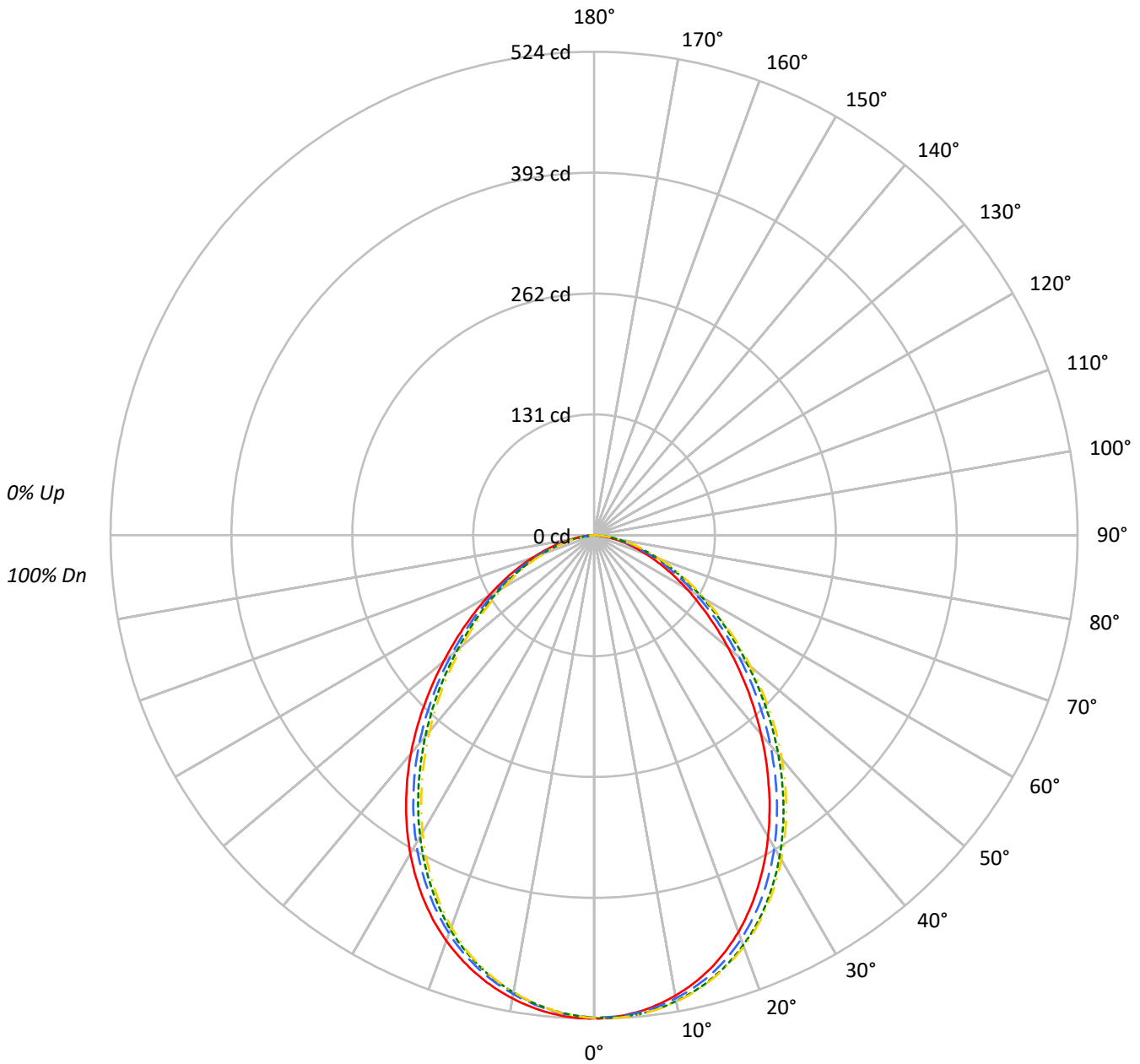
Input Watts (W): 10.5  
 Input Voltage (V): NR  
 Input Current (Ain): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 25 FT



Measurement		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	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	100	97	100	97	94	96	93	91	92	90	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	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64													
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56													
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50													
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44													
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40													
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36													
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32													
10	57	44	37	32	56	44	37	32	43	36	32	42	36	31	41	35	31	30													

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

	0°	90°	180°	270°
0°	28676	28676	28676	28676
5°	28577	28703	28637	28428
10°	28206	28545	28373	28005
15°	27605	28178	27934	27407
20°	26696	27582	27297	26538
25°	25423	26675	26397	25332
30°	23883	25447	25213	23871
35°	22078	23945	23758	22178
40°	20152	22242	22091	20360
45°	18165	20405	20149	18444
50°	16187	18490	18166	16494
55°	14336	16621	16277	14690
60°	12685	14900	14549	13014
65°	11143	13335	12933	11441
70°	9633	11861	11332	9809
75°	8049	10357	9637	7985
80°	6188	8745	7703	5840
85°	3900	6919	5346	2830

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	4.5
10°-20°	137.7	12.7
20°-30°	197.0	18.2
30°-40°	214.4	19.8
40°-50°	192.1	17.7
50°-60°	145.6	13.4
60°-70°	93.9	8.7
70°-80°	45.6	4.2
80°-90°	9.6	0.9
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°	383.9	35.4
0°-40°	598.3	55.1
0°-60°	936.0	86.3
0°-90°	1085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	523	523	523	523	523	
5°	519	522	520	517	519	49
15°	486	496	492	483	486	137
25°	420	441	436	419	420	193
35°	330	358	355	331	330	206
45°	234	263	260	238	234	181
55°	150	174	170	154	150	135
65°	86	103	100	88	86	86
75°	38	49	46	38	38	41
85°	6	11	8	4	6	8
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°	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1
0.5°	523.7	523.1	522.6	522.7	523.1	523.3	523.5	523.9	523.9	523.0	522.3
1°	523.5	523.1	522.7	522.7	523.1	523.5	523.8	524.0	523.7	523.0	522.1
1.5°	523.3	522.9	522.6	522.8	523.3	523.5	523.7	523.9	523.6	522.6	521.8
2°	522.9	522.8	522.5	522.7	523.1	523.5	523.8	523.8	523.4	522.4	521.4
2.5°	522.5	522.4	522.2	522.7	523.2	523.4	523.7	523.6	523.1	521.8	520.8
3°	522.0	522.0	522.0	522.4	522.9	523.4	523.6	523.2	522.7	521.5	520.3
3.5°	521.4	521.6	521.4	522.2	522.8	523.1	523.3	522.8	522.3	520.9	519.7
4°	520.8	521.0	521.1	521.8	522.3	522.8	523.0	522.3	521.7	520.4	518.9
4.5°	519.9	520.4	520.6	521.4	522.0	522.5	522.6	521.9	521.1	519.6	518.3
5°	519.3	519.6	520.0	521.0	521.6	522.0	522.1	521.1	520.4	518.9	517.3
5.5°	518.3	518.9	519.3	520.3	521.1	521.5	521.6	520.6	519.7	518.1	516.4
6°	517.5	518.0	518.6	519.7	520.4	520.9	520.9	519.7	518.9	517.2	515.4
6.5°	516.2	517.1	517.9	518.9	519.7	520.3	520.2	519.0	518.0	516.2	514.3
7°	515.2	516.0	516.8	518.2	519.0	519.4	519.5	518.1	517.1	515.1	513.2
7.5°	513.9	514.9	515.9	517.3	518.1	518.8	518.7	517.2	516.0	514.0	512.0
8°	512.8	513.7	514.7	516.3	517.2	517.8	517.8	516.1	514.9	512.9	510.3
8.5°	511.3	512.5	513.7	515.3	516.2	516.9	516.8	515.1	513.7	511.6	509.2
9°	509.8	511.2	512.5	514.2	515.1	515.7	515.7	513.8	512.5	510.3	508.0
9.5°	508.3	509.6	511.2	513.0	514.0	514.7	514.6	512.7	511.2	508.9	506.3
10°	506.7	508.1	509.7	511.8	512.8	513.4	513.4	511.5	509.7	507.5	504.9
10.5°	505.1	506.5	508.2	510.4	511.5	512.3	512.2	510.0	508.3	505.9	503.2
11°	503.3	504.9	506.8	509.0	510.1	510.8	510.8	508.5	506.7	504.4	501.7
11.5°	501.5	503.1	505.2	507.5	508.6	509.1	509.3	507.1	505.3	502.7	499.8
12°	499.5	501.4	503.5	505.5	507.2	508.0	507.9	505.5	503.4	501.0	498.1
12.5°	497.6	499.4	501.8	504.3	505.6	506.5	506.3	503.8	502.0	499.2	496.3
13°	495.5	497.3	499.9	502.6	503.9	504.8	504.6	502.2	500.0	497.4	494.4
13.5°	493.4	495.5	498.0	500.8	502.3	503.1	502.9	500.3	498.3	495.5	492.3
14°	491.1	493.2	496.3	499.0	500.5	501.4	501.1	498.4	496.3	493.5	490.3
14.5°	488.8	491.1	494.1	497.1	498.4	499.4	499.3	496.5	494.3	491.3	488.0
15°	486.4	488.6	491.9	495.1	496.5	497.5	497.3	494.5	492.2	489.3	485.9
15.5°	483.9	486.3	489.7	493.0	494.5	495.6	495.5	492.4	490.2	487.0	483.5
16°	481.3	483.8	487.3	490.9	492.4	493.6	493.3	490.3	487.9	484.8	481.1
16.5°	478.6	481.3	485.0	488.6	490.4	491.5	491.4	488.0	485.7	482.4	478.8
17°	475.9	478.6	482.5	486.3	488.0	489.2	489.1	485.8	483.4	480.0	476.1
17.5°	473.0	475.9	480.0	483.8	485.7	487.0	486.9	483.4	480.9	477.4	473.6
18°	470.1	472.9	477.3	481.4	483.2	484.7	484.5	480.9	478.5	474.9	470.9
18.5°	467.0	470.1	474.6	478.6	480.8	482.2	482.1	478.5	475.9	472.2	468.2
19°	464.1	467.1	471.6	476.1	478.2	479.7	479.6	475.9	473.3	469.5	465.3
19.5°	460.8	464.1	468.8	473.2	475.5	477.2	477.2	473.3	470.6	466.7	462.3
20°	457.6	460.9	465.7	470.5	472.8	474.5	474.5	470.5	467.9	463.8	459.3
20.5°	454.2	457.7	462.7	467.6	470.0	471.7	471.8	467.7	465.0	460.9	456.2
21°	450.7	454.3	459.4	464.5	467.1	468.9	468.8	464.8	462.1	457.9	453.1
21.5°	447.2	451.0	456.2	461.5	464.1	465.9	466.0	461.9	459.1	454.7	449.7
22°	443.4	447.6	453.0	458.4	461.1	462.9	463.0	458.9	456.1	451.5	446.6

TEST NUMBER: P895720  
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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°	439.9	443.9	449.3	455.2	458.0	459.8	459.9	455.7	453.1	448.4	443.0
23°	436.0	440.4	446.1	451.9	454.6	456.6	456.8	452.7	449.7	445.0	439.8
23.5°	432.2	436.6	442.6	448.5	451.5	453.5	453.7	449.3	446.5	441.8	436.3
24°	428.4	432.9	439.1	445.1	448.0	449.9	450.3	446.0	443.2	438.3	432.7
24.5°	424.5	429.1	435.3	441.6	444.5	446.6	446.9	442.6	439.8	434.9	429.0
25°	420.3	425.1	431.6	437.9	441.0	443.1	443.4	439.2	436.4	431.4	425.4
25.5°	416.4	421.1	427.6	434.3	437.4	439.6	440.0	435.7	432.8	427.7	421.6
26°	412.0	417.1	423.8	430.5	433.7	436.2	436.5	432.1	429.2	424.0	417.8
26.5°	408.1	413.0	419.9	426.7	429.9	432.3	432.8	428.3	425.6	420.3	414.0
27°	403.8	408.9	415.9	422.7	426.1	428.5	429.2	424.8	421.8	416.5	410.1
27.5°	399.4	404.7	411.7	419.0	422.3	424.4	425.5	421.1	418.0	412.3	406.1
28°	395.0	400.3	407.7	415.0	418.3	421.0	421.5	417.4	414.2	408.7	402.1
28.5°	390.7	396.0	403.5	410.8	414.4	416.9	417.8	413.4	410.3	404.8	398.1
29°	386.3	391.6	399.3	406.7	410.3	413.0	413.9	409.6	406.4	400.8	393.9
29.5°	381.8	387.3	395.0	402.6	406.1	408.9	410.1	405.4	402.3	396.7	389.7
30°	377.3	382.8	390.7	398.4	402.0	404.8	405.9	401.4	398.3	392.6	385.4
30.5°	372.7	378.3	386.4	394.1	397.8	400.6	401.9	397.4	394.1	388.4	381.3
31°	368.0	373.7	381.9	389.8	393.6	396.5	397.7	393.3	390.0	384.1	377.0
31.5°	363.3	369.1	377.5	385.3	389.3	392.2	393.6	389.0	385.8	379.9	372.6
32°	358.7	364.5	372.8	381.0	384.8	388.0	389.3	384.8	381.7	375.6	368.2
32.5°	354.0	359.8	368.3	376.6	380.4	383.6	385.0	380.5	377.3	371.1	363.8
33°	349.2	355.1	363.7	372.0	376.1	379.3	380.7	376.1	372.9	366.8	359.4
33.5°	344.6	350.4	359.2	367.5	371.6	374.8	376.4	371.8	368.5	362.4	355.0
34°	339.7	345.6	354.6	362.8	367.0	370.4	372.0	367.3	364.2	358.0	350.4
34.5°	334.9	340.9	349.9	358.4	362.5	365.9	367.4	363.0	359.7	353.5	345.8
35°	329.9	336.1	345.1	353.7	357.8	361.3	362.9	358.5	355.0	349.1	341.2
35.5°	325.2	331.3	340.3	349.0	353.3	356.8	358.4	354.0	350.7	344.5	336.8
36°	320.3	326.6	335.7	344.3	348.7	352.2	353.9	349.6	346.2	339.9	332.1
36.5°	315.5	321.8	330.8	339.6	344.0	347.6	349.3	344.9	341.6	335.3	327.4
37°	310.7	317.0	326.2	334.9	339.2	343.0	344.8	340.1	337.0	330.7	322.8
37.5°	305.9	312.2	321.4	330.2	334.5	338.3	340.0	335.6	332.5	326.0	318.1
38°	301.0	307.2	316.6	325.3	329.8	333.6	335.5	330.7	327.7	321.5	313.5
38.5°	296.1	302.4	311.5	320.6	325.1	328.8	330.7	326.3	323.1	316.7	308.9
39°	291.2	297.6	307.0	315.9	320.3	324.1	326.1	321.6	318.3	312.2	304.1
39.5°	286.4	292.9	302.2	311.1	315.4	319.4	321.4	316.9	313.6	307.3	299.4
40°	281.6	288.0	297.4	306.4	310.8	314.6	316.7	312.2	308.7	302.6	294.8
40.5°	276.8	283.2	292.5	301.5	306.0	310.0	311.9	307.3	303.9	297.7	290.1
41°	272.1	278.4	287.8	296.6	301.2	305.0	307.1	302.5	299.1	292.9	285.2
41.5°	267.2	273.7	283.1	291.9	296.4	300.4	302.4	297.7	294.3	288.2	280.5
42°	262.5	268.9	278.2	287.1	291.6	295.8	297.7	292.8	289.3	283.4	275.8
42.5°	257.8	264.1	273.4	282.3	286.9	290.8	292.9	288.1	284.6	278.5	271.1
43°	253.1	259.4	268.9	277.7	282.2	286.2	288.3	283.0	279.6	273.7	266.4
43.5°	248.3	254.7	264.2	273.0	277.4	281.3	283.4	278.3	274.7	268.9	261.6
44°	243.7	249.9	259.4	268.3	272.6	276.8	278.6	273.3	269.8	263.9	256.9
44.5°	239.1	245.4	254.8	263.5	267.9	272.0	273.9	268.5	265.0	259.3	252.2

TEST NUMBER: P895720  
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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	234.3	240.8	250.2	258.9	263.2	267.3	269.1	263.5	259.9	254.4	247.4
45.5°	229.8	236.1	245.6	254.1	258.5	262.5	264.2	258.7	255.2	249.6	242.8
46°	225.2	231.4	241.0	249.4	253.7	257.9	259.4	253.8	250.4	244.8	238.2
46.5°	220.5	226.9	236.3	244.8	249.0	253.0	254.6	249.0	245.6	240.2	233.5
47°	216.0	222.3	231.6	240.2	244.4	248.2	249.8	244.2	240.7	235.5	228.9
47.5°	211.6	217.7	227.1	235.5	239.7	243.5	245.0	239.6	236.2	230.9	224.4
48°	207.1	213.3	222.6	230.9	235.1	239.0	240.5	234.9	231.4	226.2	219.9
48.5°	202.7	208.8	218.0	226.3	230.5	234.2	235.6	230.2	226.8	221.5	215.2
49°	198.3	204.3	213.6	221.7	225.8	229.6	231.0	225.5	222.2	217.1	210.8
49.5°	194.0	200.1	209.0	217.2	221.2	225.0	226.3	220.8	217.5	212.6	206.4
50°	189.8	195.6	204.7	212.9	216.8	220.4	221.6	216.2	213.0	208.2	202.1
50.5°	185.6	191.4	200.3	208.3	212.3	215.8	217.1	211.8	208.6	203.7	197.7
51°	181.4	187.2	196.0	203.8	207.8	211.3	212.6	207.4	204.0	199.3	193.5
51.5°	177.2	183.0	191.6	199.4	203.4	207.0	208.2	202.9	199.7	195.0	189.2
52°	173.2	178.9	187.5	195.3	199.1	202.6	203.7	198.5	195.2	190.8	185.0
52.5°	169.3	174.8	183.4	191.0	194.7	198.2	199.3	194.2	191.1	186.6	181.0
53°	165.2	170.8	179.3	186.8	190.4	193.8	194.9	189.9	186.8	182.3	176.8
53.5°	161.3	166.8	175.0	182.5	186.2	189.6	190.7	185.7	182.6	178.2	172.8
54°	157.5	162.9	171.1	178.5	182.1	185.4	186.5	181.5	178.4	174.1	168.8
54.5°	153.7	159.0	167.0	174.4	177.8	181.2	182.2	177.3	174.5	170.2	165.0
55°	150.0	155.1	163.2	170.4	173.9	177.2	178.1	173.3	170.3	166.1	161.0
55.5°	146.3	151.5	159.4	166.4	169.8	173.1	174.0	169.2	166.3	162.3	157.2
56°	142.8	147.8	155.4	162.5	165.9	169.0	170.0	165.3	162.4	158.3	153.4
56.5°	139.1	144.1	151.8	158.6	161.8	165.1	166.0	161.3	158.6	154.6	149.7
57°	135.6	140.6	148.1	154.8	158.0	161.1	162.0	157.5	154.7	150.7	146.0
57.5°	132.2	137.0	144.3	151.0	154.2	157.3	158.2	153.6	150.9	147.1	142.4
58°	128.6	133.4	140.8	147.3	150.4	153.5	154.4	149.8	147.2	143.4	138.8
58.5°	125.4	130.0	137.3	143.7	146.7	149.7	150.6	146.2	143.6	139.7	135.3
59°	122.1	126.7	133.6	140.0	143.1	146.0	146.9	142.5	139.8	136.2	131.7
59.5°	118.8	123.2	130.2	136.5	139.4	142.4	143.2	138.8	136.3	132.6	128.2
60°	115.7	120.0	126.9	133.0	135.9	138.7	139.6	135.3	132.7	129.0	124.8
60.5°	112.4	116.8	123.4	129.4	132.4	135.2	136.0	131.8	129.2	125.6	121.5
61°	109.3	113.6	120.2	126.0	128.9	131.7	132.6	128.3	125.8	122.2	118.1
61.5°	106.1	110.5	116.8	122.6	125.5	128.2	129.0	124.9	122.3	118.8	114.8
62°	103.2	107.3	113.6	119.3	122.2	124.9	125.7	121.6	119.0	115.5	111.5
62.5°	100.3	104.3	110.4	116.1	118.8	121.5	122.2	118.2	115.6	112.2	108.3
63°	97.3	101.2	107.3	112.7	115.5	118.1	118.8	115.0	112.4	108.9	105.2
63.5°	94.5	98.2	104.2	109.6	112.2	114.9	115.7	111.6	109.1	105.7	102.0
64°	91.5	95.3	101.1	106.4	109.0	111.5	112.4	108.5	105.9	102.6	99.0
64.5°	88.7	92.4	98.1	103.3	105.9	108.5	109.2	105.4	102.7	99.5	95.9
65°	85.9	89.6	95.1	100.3	102.8	105.3	106.0	102.2	99.7	96.4	92.9
65.5°	83.3	86.8	92.3	97.2	99.8	102.2	103.0	99.1	96.4	93.3	89.9
66°	80.5	84.0	89.4	94.3	96.7	99.1	99.9	96.0	93.5	90.3	87.0
66.5°	77.9	81.2	86.5	91.3	93.7	96.1	96.8	93.0	90.5	87.4	84.2
67°	75.2	78.6	83.7	88.4	90.8	93.2	93.9	90.0	87.6	84.5	81.3



TEST NUMBER: P895720  
 CATALOG NUMBER: RAWZC610-6500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	72.7	75.9	80.9	85.5	88.0	90.2	91.0	87.2	84.7	81.7	78.6
68°	70.0	73.3	78.2	82.7	85.1	87.4	88.2	84.3	81.9	78.8	75.7
68.5°	67.6	70.7	75.5	79.9	82.4	84.6	85.2	81.5	79.0	76.0	72.9
69°	65.1	68.1	72.8	77.2	79.5	81.8	82.5	78.7	76.1	73.2	70.3
69.5°	62.6	65.6	70.2	74.5	76.8	79.0	79.6	75.8	73.3	70.5	67.5
70°	60.1	63.1	67.6	71.8	74.0	76.3	76.9	73.1	70.7	67.9	64.9
70.5°	57.8	60.7	65.1	69.1	71.4	73.4	74.0	70.3	67.9	65.1	62.3
71°	55.5	58.3	62.5	66.6	68.7	70.7	71.3	67.6	65.3	62.5	59.8
71.5°	53.2	55.9	60.1	64.0	66.1	68.2	68.6	64.9	62.6	60.0	57.1
72°	50.9	53.6	57.6	61.5	63.5	65.5	66.0	62.4	60.0	57.4	54.7
72.5°	48.7	51.3	55.2	59.0	61.0	63.0	63.3	59.8	57.5	54.9	52.1
73°	46.5	49.0	52.8	56.6	58.5	60.4	60.8	57.2	55.0	52.4	49.8
73.5°	44.3	46.8	50.5	54.1	56.1	58.0	58.2	54.8	52.6	50.0	47.3
74°	42.1	44.6	48.2	51.7	53.6	55.5	55.8	52.3	50.1	47.7	45.1
74.5°	40.1	42.4	46.0	49.4	51.3	53.1	53.3	49.9	47.7	45.3	42.7
75°	38.0	40.3	43.7	47.1	48.9	50.7	50.9	47.5	45.5	43.0	40.5
75.5°	36.0	38.2	41.5	44.9	46.5	48.4	48.5	45.2	43.1	40.7	38.2
76°	34.2	36.1	39.5	42.6	44.3	46.0	46.2	42.8	40.8	38.5	36.0
76.5°	32.2	34.3	37.3	40.5	42.0	43.7	43.9	40.7	38.6	36.3	33.9
77°	30.3	32.3	35.2	38.3	39.9	41.4	41.5	38.4	36.4	34.2	31.8
77.5°	28.4	30.4	33.2	36.1	37.8	39.3	39.4	36.2	34.4	32.1	29.8
78°	26.5	28.5	31.3	34.2	35.6	37.1	37.2	34.1	32.2	30.0	27.8
78.5°	24.7	26.6	29.4	32.2	33.6	35.0	35.0	32.0	30.2	28.1	25.8
79°	23.0	24.7	27.5	30.2	31.5	32.9	32.9	29.9	28.2	26.1	24.0
79.5°	21.3	23.1	25.5	28.3	29.6	30.8	30.8	28.0	26.3	24.3	22.1
80°	19.6	21.3	23.8	26.3	27.7	28.9	28.9	26.0	24.4	22.4	20.4
80.5°	18.0	19.6	22.0	24.4	25.8	26.9	26.9	24.2	22.6	20.6	18.7
81°	16.5	18.1	20.3	22.7	23.9	25.0	24.9	22.3	20.8	18.9	17.0
81.5°	15.0	16.5	18.7	20.9	22.1	23.2	23.2	20.5	19.0	17.2	15.3
82°	13.6	15.0	17.1	19.2	20.3	21.4	21.3	18.8	17.4	15.6	13.8
82.5°	12.4	13.6	15.6	17.7	18.7	19.7	19.6	17.2	15.7	14.0	12.3
83°	11.0	12.3	14.1	16.1	17.1	18.0	17.9	15.5	14.1	12.5	10.9
83.5°	9.7	11.0	12.7	14.5	15.4	16.4	16.3	13.9	12.7	11.1	9.6
84°	8.5	9.7	11.3	13.1	13.9	14.8	14.7	12.5	11.2	9.7	8.3
84.5°	7.4	8.4	9.9	11.7	12.4	13.3	13.2	11.0	9.8	8.4	7.1
85°	6.2	7.3	8.7	10.3	11.0	11.8	11.7	9.7	8.5	7.2	5.8
85.5°	5.1	6.1	7.5	8.9	9.7	10.4	10.4	8.4	7.3	5.9	4.5
86°	4.1	5.0	6.4	7.7	8.5	9.1	9.2	7.2	6.0	4.6	3.5
86.5°	3.3	4.0	5.2	6.5	7.3	8.0	8.0	5.9	4.7	3.6	2.7
87°	2.6	3.3	4.2	5.4	6.0	6.7	6.7	4.6	3.7	2.7	1.9
87.5°	1.9	2.6	3.3	4.3	4.8	5.5	5.4	3.6	2.8	2.0	1.2
88°	1.1	1.8	2.6	3.4	3.8	4.2	4.1	2.7	2.1	1.3	0.5
88.5°	0.3	1.1	1.9	2.7	2.9	3.3	3.1	2.0	1.3	0.5	0.1
89°	0.1	0.3	1.1	1.9	2.2	2.6	2.4	1.3	0.5	0.1	0.0
89.5°	0.0	0.1	0.3	1.1	1.3	1.7	1.6	0.4	0.1	0.0	0.0

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



TEST NUMBER: P895720  
CATALOG NUMBER: RAWZC610-6500K

**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: P895720  
 CATALOG NUMBER: RAWZC610-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	523.1	523.1	523.1	523.1	523.1	523.1
0.5°	522.2	522.6	522.7	522.9	523.6	523.7
1°	521.7	522.2	522.3	522.6	523.4	523.5
1.5°	521.4	521.8	521.9	522.0	523.0	523.3
2°	520.8	521.3	521.3	521.6	522.6	522.9
2.5°	520.4	520.6	520.7	520.8	522.1	522.5
3°	519.7	520.0	519.9	520.3	521.6	522.0
3.5°	518.7	519.2	519.2	519.4	520.9	521.4
4°	518.3	518.5	518.4	518.8	520.1	520.8
4.5°	517.4	517.6	517.5	517.8	519.3	519.9
5°	516.5	516.6	516.5	516.8	518.5	519.3
5.5°	515.4	515.6	515.3	515.2	517.6	518.3
6°	514.4	514.4	514.2	514.5	516.4	517.5
6.5°	513.2	513.4	513.0	513.4	515.3	516.2
7°	512.0	512.0	511.8	512.1	514.1	515.2
7.5°	510.7	510.8	510.3	510.7	512.9	513.9
8°	509.3	509.3	508.9	509.2	511.5	512.8
8.5°	508.0	507.9	507.3	507.8	510.0	511.3
9°	506.5	506.3	505.9	506.1	508.5	509.8
9.5°	504.9	504.8	504.1	504.5	507.0	508.3
10°	503.3	503.1	502.6	502.7	505.3	506.7
10.5°	501.7	501.4	500.8	501.1	503.5	505.1
11°	499.9	499.6	499.0	499.2	501.8	503.3
11.5°	498.1	497.8	497.1	497.3	499.7	501.5
12°	496.3	495.9	495.2	495.3	498.0	499.5
12.5°	494.3	493.8	493.1	493.2	495.9	497.6
13°	491.7	491.8	491.1	491.1	493.9	495.5
13.5°	490.1	489.7	488.7	488.9	491.3	493.4
14°	487.9	487.6	486.5	486.6	489.4	491.1
14.5°	485.7	485.2	484.2	484.2	487.0	488.8
15°	483.4	482.9	481.8	481.7	484.6	486.4
15.5°	480.9	480.4	479.3	479.2	482.0	483.9
16°	478.6	478.0	476.7	476.5	479.6	481.3
16.5°	475.8	475.4	474.2	473.8	476.8	478.6
17°	473.4	472.8	471.3	470.9	474.2	475.9
17.5°	470.6	470.0	468.6	468.1	471.3	473.0
18°	467.9	467.2	465.6	465.0	468.3	470.1
18.5°	464.8	464.3	462.7	462.0	465.2	467.0
19°	462.1	461.2	459.4	458.6	462.2	464.1
19.5°	458.9	458.1	456.3	455.5	459.0	460.8
20°	455.8	454.9	453.1	452.0	455.6	457.6
20.5°	452.5	451.6	449.6	448.6	452.3	454.2
21°	449.2	448.2	446.3	445.0	448.6	450.7
21.5°	445.8	444.7	442.8	441.4	445.1	447.2
22°	442.5	441.3	439.1	437.8	441.5	443.4

TEST NUMBER: P895720  
 CATALOG NUMBER: RAWZC610-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	439.0	437.6	435.5	434.2	437.8	439.9
23°	435.6	434.0	431.8	430.4	434.0	436.0
23.5°	431.8	430.3	428.0	426.6	430.1	432.2
24°	428.0	426.5	424.1	422.6	426.3	428.4
24.5°	424.4	422.7	420.3	418.7	422.3	424.5
25°	420.6	418.8	416.1	414.7	418.3	420.3
25.5°	416.6	414.8	412.3	410.5	414.2	416.4
26°	412.9	410.9	408.1	406.5	410.0	412.0
26.5°	408.8	406.8	403.7	402.3	405.8	408.1
27°	404.9	402.8	399.8	398.1	401.6	403.8
27.5°	400.6	398.5	395.6	393.9	397.5	399.4
28°	396.6	394.3	391.3	389.4	392.9	395.0
28.5°	392.4	390.1	387.1	385.0	388.5	390.7
29°	388.2	385.6	382.7	380.6	384.0	386.3
29.5°	383.8	381.5	378.3	376.3	379.7	381.8
30°	379.5	377.1	373.8	371.8	375.0	377.3
30.5°	375.2	372.6	369.4	367.2	370.6	372.7
31°	370.9	368.2	364.8	362.5	365.8	368.0
31.5°	366.4	363.8	360.3	357.9	361.3	363.3
32°	361.8	359.2	355.7	353.3	356.5	358.7
32.5°	357.4	354.6	351.0	348.6	352.0	354.0
33°	352.9	350.1	346.5	344.1	347.1	349.2
33.5°	348.2	345.5	341.7	339.3	342.5	344.6
34°	343.7	340.8	337.2	334.5	337.6	339.7
34.5°	339.1	336.1	332.3	329.7	333.1	334.9
35°	334.4	331.4	327.6	325.0	328.2	329.9
35.5°	329.7	326.9	322.9	320.3	323.3	325.2
36°	325.0	322.2	318.2	315.4	318.4	320.3
36.5°	320.5	317.4	313.4	310.7	313.7	315.5
37°	315.8	312.6	308.7	305.9	308.9	310.7
37.5°	311.2	307.9	304.0	301.1	304.0	305.9
38°	306.4	303.2	299.2	296.3	299.2	301.0
38.5°	301.7	298.6	294.4	291.4	294.4	296.1
39°	297.0	293.9	289.9	286.8	289.6	291.2
39.5°	292.4	289.2	285.1	282.0	284.9	286.4
40°	287.7	284.5	280.3	277.2	280.0	281.6
40.5°	282.9	279.8	275.6	272.6	275.2	276.8
41°	278.4	275.1	271.0	268.0	270.5	272.1
41.5°	273.6	270.3	266.2	263.3	265.8	267.2
42°	268.9	265.6	261.6	258.6	261.2	262.5
42.5°	264.3	261.1	257.0	254.1	256.5	257.8
43°	259.5	256.5	252.4	249.4	251.8	253.1
43.5°	254.9	251.8	247.6	244.8	247.1	248.3
44°	250.3	247.2	243.1	240.2	242.4	243.7
44.5°	245.6	242.5	238.4	235.6	237.8	239.1

TEST NUMBER: P895720  
 CATALOG NUMBER: RAWZC610-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	241.1	237.9	233.9	230.9	233.3	234.3
45.5°	236.4	233.3	229.3	226.4	228.5	229.8
46°	231.7	228.8	224.9	221.9	224.0	225.2
46.5°	227.1	224.2	220.1	217.4	219.4	220.5
47°	222.6	219.8	215.6	213.0	215.0	216.0
47.5°	218.2	215.2	211.3	208.5	210.4	211.6
48°	213.7	210.7	207.0	204.0	205.9	207.1
48.5°	209.3	206.3	202.5	199.8	201.6	202.7
49°	204.8	202.1	198.2	195.5	197.4	198.3
49.5°	200.6	197.8	194.0	191.3	192.9	194.0
50°	196.2	193.4	189.8	187.1	188.8	189.8
50.5°	192.1	189.3	185.7	182.8	184.6	185.6
51°	187.8	185.1	181.5	178.7	180.5	181.4
51.5°	183.6	181.0	177.5	174.7	176.3	177.2
52°	179.6	176.9	173.4	170.7	172.4	173.2
52.5°	175.6	172.9	169.5	166.8	168.4	169.3
53°	171.4	168.9	165.5	162.8	164.5	165.2
53.5°	167.5	165.1	161.6	159.0	160.5	161.3
54°	163.7	161.2	157.8	155.1	156.7	157.5
54.5°	159.9	157.4	154.0	151.5	153.0	153.7
55°	156.0	153.7	150.2	147.7	149.3	150.0
55.5°	152.3	149.9	146.7	144.2	145.6	146.3
56°	148.6	146.3	143.0	140.5	142.1	142.8
56.5°	144.9	142.6	139.5	137.1	138.5	139.1
57°	141.3	139.0	135.9	133.4	135.0	135.6
57.5°	137.8	135.5	132.5	130.1	131.5	132.2
58°	134.3	132.1	129.0	126.8	128.0	128.6
58.5°	130.8	128.7	125.7	123.4	124.7	125.4
59°	127.5	125.3	122.3	120.1	121.5	122.1
59.5°	124.1	122.0	119.0	116.8	118.2	118.8
60°	120.7	118.7	115.8	113.7	115.0	115.7
60.5°	117.4	115.4	112.5	110.4	111.8	112.4
61°	114.2	112.1	109.4	107.3	108.7	109.3
61.5°	111.1	109.0	106.3	104.3	105.6	106.1
62°	107.9	106.0	103.3	101.2	102.6	103.2
62.5°	104.7	102.9	100.2	98.3	99.7	100.3
63°	101.6	99.9	97.2	95.2	96.6	97.3
63.5°	98.6	96.9	94.3	92.4	93.8	94.5
64°	95.6	93.9	91.3	89.6	90.9	91.5
64.5°	92.7	91.0	88.6	86.6	88.1	88.7
65°	89.7	88.2	85.7	84.0	85.2	85.9
65.5°	86.9	85.3	82.9	81.1	82.6	83.3
66°	84.1	82.5	80.1	78.5	79.7	80.5
66.5°	81.2	79.7	77.4	75.7	77.1	77.9
67°	78.5	77.0	74.7	73.1	74.5	75.2

TEST NUMBER: P895720  
 CATALOG NUMBER: RAWZC610-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	75.6	74.3	72.1	70.5	71.9	72.7
68°	72.8	71.6	69.4	67.9	69.3	70.0
68.5°	70.1	68.9	66.9	65.4	66.9	67.6
69°	67.5	66.3	64.3	62.8	64.3	65.1
69.5°	64.8	63.7	61.9	60.3	61.9	62.6
70°	62.3	61.2	59.3	58.0	59.4	60.1
70.5°	59.6	58.5	57.0	55.6	57.0	57.8
71°	57.1	56.2	54.5	53.2	54.7	55.5
71.5°	54.6	53.7	52.1	50.9	52.3	53.2
72°	52.1	51.3	49.8	48.6	50.1	50.9
72.5°	49.7	48.9	47.4	46.3	47.9	48.7
73°	47.3	46.6	45.2	44.1	45.7	46.5
73.5°	45.1	44.3	42.9	41.9	43.5	44.3
74°	42.8	42.0	40.7	39.8	41.3	42.1
74.5°	40.6	39.9	38.6	37.6	39.3	40.1
75°	38.3	37.7	36.4	35.6	37.1	38.0
75.5°	36.1	35.5	34.9	33.7	35.2	36.0
76°	34.0	33.6	32.8	31.8	33.3	34.2
76.5°	31.9	31.6	30.6	29.9	31.4	32.2
77°	29.9	29.6	28.6	27.9	29.5	30.3
77.5°	27.9	27.6	26.5	25.9	27.6	28.4
78°	25.9	25.6	24.6	24.2	25.6	26.5
78.5°	24.1	23.8	22.8	22.3	24.0	24.7
79°	22.2	21.9	21.1	20.6	22.2	23.0
79.5°	20.4	20.1	19.3	19.0	20.4	21.3
80°	18.8	18.5	17.7	17.4	18.9	19.6
80.5°	17.0	16.8	16.1	15.8	17.3	18.0
81°	15.4	15.1	14.5	14.2	15.8	16.5
81.5°	13.8	13.6	13.0	12.9	14.3	15.0
82°	12.4	12.1	11.6	11.5	13.0	13.6
82.5°	10.9	10.7	10.2	10.1	11.6	12.4
83°	9.6	9.3	8.8	8.8	10.3	11.0
83.5°	8.3	8.0	7.6	7.6	9.0	9.7
84°	7.1	6.8	6.4	6.4	7.9	8.5
84.5°	5.9	5.6	5.2	5.2	6.6	7.4
85°	4.6	4.5	4.1	4.2	5.5	6.2
85.5°	3.5	3.4	3.2	3.2	4.4	5.1
86°	2.7	2.7	2.5	2.5	3.5	4.1
86.5°	2.0	2.0	1.7	1.7	2.7	3.3
87°	1.3	1.2	1.0	1.2	2.0	2.6
87.5°	0.5	0.4	0.2	0.8	1.2	1.9
88°	0.1	0.1	0.0	0.4	0.4	1.1
88.5°	0.0	0.0	0.0	0.0	0.2	0.3
89°	0.0	0.0	0.0	0.0	0.0	0.1
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

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



TEST NUMBER: P895720  
CATALOG NUMBER: RAWZC610-6500K

**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)