

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: P895716

Luminaire Tested: **RAWZC610-3000K**

Issue Date: 11/14/2024

Tested By:

Approved By:



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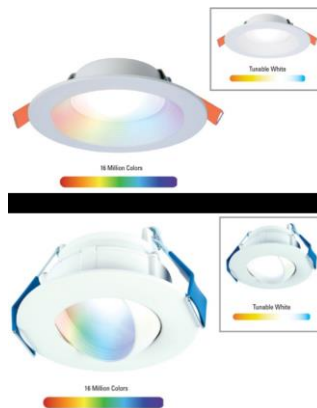
Test Information

Test Method: LM-79-08
 Report Number: P895716
 Test Lab:
 Issue Date: 11/14/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: RAWZC610-3000K
 Description: 6IN ADJUSTABLE WIZ SELECTABLE CCT
 Light Source: WIZ SELECTABLE 90CRI / 3000K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 1060.0 lumens
 Efficiency: N/A
 Efficacy: 102.9 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

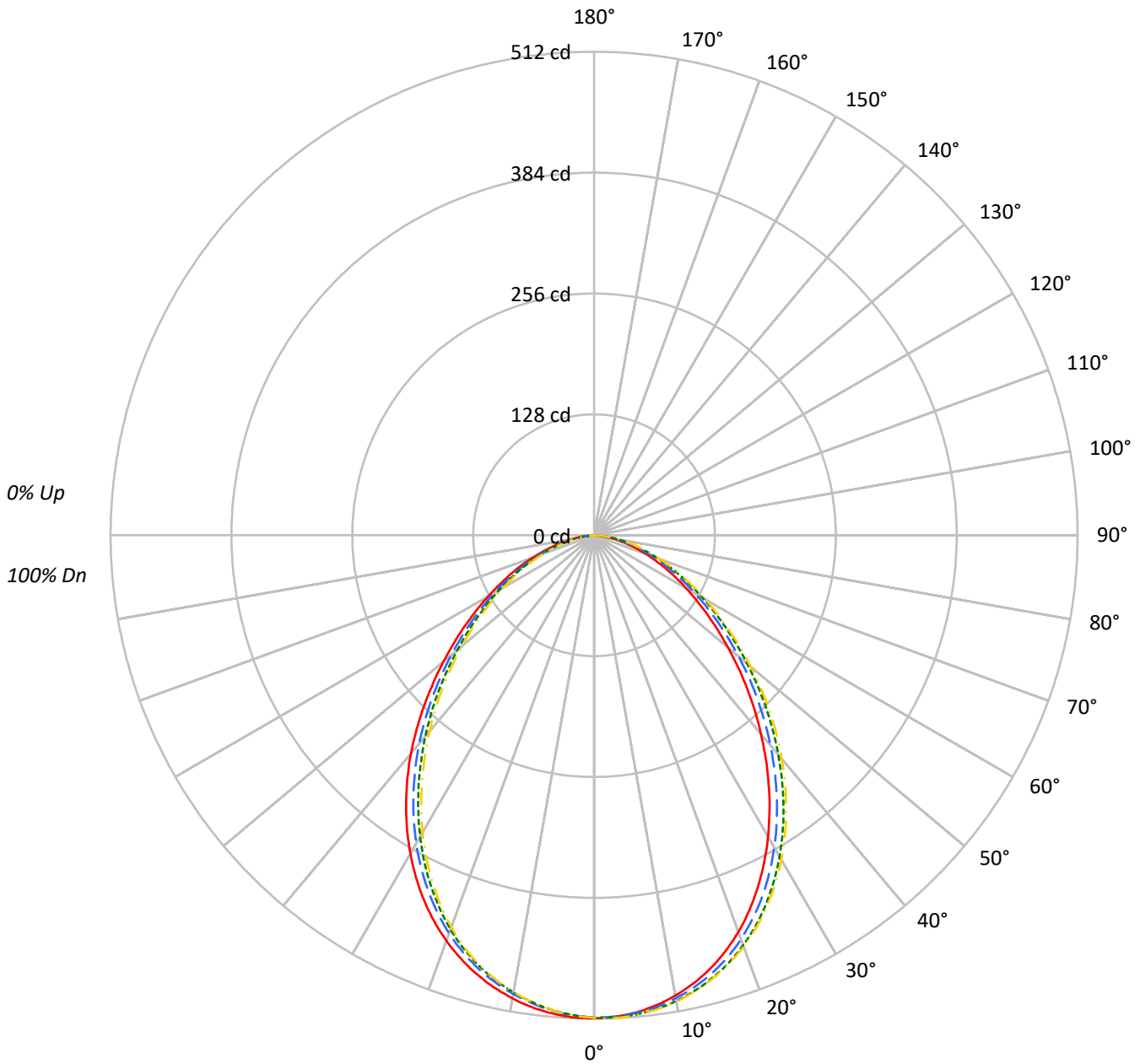
Input Watts (W): 10.3
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	97	97	97	87		
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87	87	84	84	84	74		
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	74	74	74	71	71	71	64		
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64	64	64	61	61	61	56		
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56	56	56	53	53	53	44		
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50	50	50	47	47	47	40		
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44	44	44	42	42	42	36		
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40	40	40	38	38	38	32		
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36	36	36	34	34	34	30		
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32	32	32	32	32	32	28		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	31	41	35	31	28	28	28	28	28	28	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28013	28013	28013	28013
5°	27922	28043	27977	27773
10°	27555	27883	27722	27360
15°	26970	27526	27293	26777
20°	26077	26947	26666	25926
25°	24836	26058	25786	24745
30°	23333	24858	24630	23320
35°	21569	23396	23209	21670
40°	19687	21726	21583	19887
45°	17746	19932	19684	18017
50°	15812	18063	17748	16119
55°	14011	16238	15894	14346
60°	12389	14560	14209	12718
65°	10883	13023	12634	11169
70°	9409	11588	11076	9585
75°	7858	10124	9404	7795
80°	6061	8555	7545	5683
85°	3774	6730	5221	2768

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	4.5
10°-20°	134.5	12.7
20°-30°	192.4	18.2
30°-40°	209.5	19.8
40°-50°	187.7	17.7
50°-60°	142.2	13.4
60°-70°	91.7	8.7
70°-80°	44.5	4.2
80°-90°	9.3	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°	375.0	35.4
0°-40°	584.5	55.1
0°-60°	914.4	86.3
0°-90°	1060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1060.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	511	511	511	511	511	
5°	507	510	508	505	507	48
15°	475	485	481	472	475	134
25°	411	431	426	409	411	189
35°	322	350	347	324	322	201
45°	229	257	254	232	229	177
55°	147	170	166	150	147	132
65°	84	100	97	86	84	84
75°	37	48	44	37	37	40
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°	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0
0.5°	511.6	511.0	510.5	510.6	511.0	511.2	511.4	511.8	511.8	510.9	510.3
1°	511.4	511.0	510.6	510.6	511.0	511.4	511.7	511.9	511.6	510.9	510.1
1.5°	511.2	510.8	510.5	510.7	511.2	511.4	511.6	511.8	511.5	510.5	509.8
2°	510.8	510.7	510.4	510.6	511.0	511.4	511.7	511.7	511.3	510.3	509.4
2.5°	510.4	510.3	510.2	510.6	511.1	511.3	511.6	511.5	511.0	509.8	508.8
3°	510.0	510.0	510.0	510.3	510.8	511.3	511.5	511.1	510.6	509.5	508.3
3.5°	509.4	509.6	509.4	510.2	510.7	511.0	511.2	510.7	510.3	508.9	507.8
4°	508.8	509.0	509.1	509.8	510.3	510.7	510.9	510.3	509.7	508.4	507.0
4.5°	508.0	508.4	508.6	509.4	510.0	510.4	510.5	509.9	509.1	507.7	506.3
5°	507.4	507.7	508.0	509.0	509.6	510.0	510.1	509.1	508.4	507.0	505.4
5.5°	506.3	506.9	507.4	508.3	509.1	509.5	509.6	508.6	507.8	506.1	504.5
6°	505.6	506.0	506.6	507.8	508.4	508.9	508.9	507.8	506.9	505.3	503.5
6.5°	504.3	505.2	505.9	507.0	507.8	508.3	508.2	507.1	506.0	504.3	502.5
7°	503.3	504.1	504.9	506.2	507.1	507.5	507.6	506.1	505.2	503.3	501.3
7.5°	502.1	503.1	504.0	505.4	506.1	506.8	506.7	505.3	504.1	502.2	500.2
8°	500.9	501.9	502.9	504.4	505.3	505.8	505.8	504.2	503.1	501.0	498.5
8.5°	499.5	500.7	501.9	503.4	504.3	505.0	504.9	503.3	501.9	499.8	497.5
9°	498.1	499.4	500.7	502.4	503.3	503.8	503.8	502.0	500.7	498.5	496.2
9.5°	496.6	497.9	499.4	501.1	502.2	502.9	502.8	500.9	499.4	497.2	494.6
10°	495.0	496.4	498.0	500.0	500.9	501.5	501.6	499.7	498.0	495.8	493.3
10.5°	493.5	494.8	496.5	498.6	499.7	500.5	500.4	498.3	496.6	494.2	491.6
11°	491.7	493.3	495.1	497.3	498.4	499.0	499.0	496.8	495.0	492.8	490.1
11.5°	489.9	491.5	493.6	495.8	496.9	497.4	497.6	495.4	493.7	491.2	488.3
12°	488.0	489.8	491.9	493.8	495.5	496.2	496.2	493.8	491.8	489.4	486.7
12.5°	486.2	487.9	490.2	492.7	493.9	494.8	494.6	492.2	490.4	487.7	484.8
13°	484.1	485.9	488.4	491.0	492.3	493.2	493.0	490.6	488.5	486.0	483.0
13.5°	482.0	484.1	486.6	489.2	490.7	491.5	491.4	488.8	486.8	484.1	481.0
14°	479.7	481.9	484.8	487.5	489.0	489.8	489.5	486.9	484.8	482.1	479.0
14.5°	477.5	479.7	482.7	485.6	486.9	487.9	487.8	485.0	482.9	479.9	476.8
15°	475.2	477.3	480.6	483.7	485.0	486.1	485.9	483.1	480.9	478.0	474.7
15.5°	472.7	475.1	478.4	481.7	483.1	484.2	484.1	481.1	478.9	475.8	472.4
16°	470.3	472.6	476.1	479.6	481.1	482.2	482.0	479.0	476.7	473.6	470.1
16.5°	467.6	470.3	473.8	477.3	479.1	480.1	480.0	476.8	474.5	471.3	467.8
17°	465.0	467.6	471.4	475.1	476.8	477.9	477.8	474.6	472.3	468.9	465.2
17.5°	462.1	465.0	468.9	472.6	474.5	475.8	475.7	472.3	469.9	466.4	462.7
18°	459.3	462.0	466.3	470.3	472.1	473.5	473.3	469.9	467.5	463.9	460.1
18.5°	456.2	459.3	463.6	467.6	469.7	471.1	471.0	467.5	465.0	461.3	457.4
19°	453.4	456.3	460.8	465.2	467.2	468.6	468.5	465.0	462.4	458.6	454.6
19.5°	450.2	453.4	458.0	462.3	464.6	466.2	466.2	462.4	459.8	456.0	451.6
20°	447.0	450.3	455.0	459.7	461.9	463.5	463.5	459.7	457.1	453.1	448.8
20.5°	443.8	447.1	452.0	456.8	459.1	460.8	460.9	456.9	454.3	450.3	445.7
21°	440.3	443.9	448.9	453.8	456.3	458.1	458.0	454.1	451.4	447.3	442.6
21.5°	436.9	440.6	445.7	450.9	453.4	455.2	455.3	451.3	448.6	444.3	439.4
22°	433.2	437.3	442.5	447.8	450.5	452.2	452.3	448.3	445.6	441.1	436.3

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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°	429.8	433.7	439.0	444.7	447.4	449.2	449.3	445.2	442.6	438.1	432.8
23°	425.9	430.2	435.8	441.5	444.2	446.1	446.3	442.2	439.4	434.8	429.7
23.5°	422.3	426.5	432.4	438.2	441.1	443.0	443.2	439.0	436.2	431.6	426.2
24°	418.5	423.0	429.0	434.9	437.6	439.6	439.9	435.7	433.0	428.2	422.8
24.5°	414.7	419.2	425.3	431.4	434.3	436.3	436.6	432.4	429.7	424.9	419.1
25°	410.6	415.3	421.6	427.8	430.8	432.9	433.2	429.1	426.3	421.4	415.6
25.5°	406.8	411.4	417.8	424.3	427.4	429.5	429.9	425.6	422.9	417.9	411.9
26°	402.5	407.5	414.0	420.6	423.7	426.1	426.4	422.2	419.3	414.2	408.2
26.5°	398.7	403.5	410.2	416.9	420.0	422.4	422.9	418.4	415.8	410.6	404.4
27°	394.5	399.5	406.4	413.0	416.2	418.6	419.3	415.0	412.1	406.9	400.6
27.5°	390.2	395.3	402.2	409.3	412.6	414.6	415.7	411.3	408.4	402.8	396.8
28°	385.9	391.1	398.3	405.4	408.7	411.3	411.8	407.8	404.6	399.3	392.8
28.5°	381.7	386.9	394.2	401.4	404.8	407.3	408.2	403.9	400.9	395.4	388.9
29°	377.4	382.6	390.1	397.3	400.9	403.5	404.3	400.1	397.1	391.6	384.8
29.5°	373.0	378.3	385.9	393.3	396.8	399.5	400.6	396.1	393.0	387.6	380.7
30°	368.6	373.9	381.7	389.2	392.7	395.5	396.6	392.2	389.1	383.5	376.5
30.5°	364.2	369.6	377.5	385.1	388.6	391.4	392.6	388.2	385.1	379.4	372.5
31°	359.5	365.1	373.1	380.8	384.5	387.4	388.5	384.2	381.0	375.3	368.3
31.5°	354.9	360.6	368.8	376.4	380.4	383.1	384.5	380.1	376.9	371.2	364.1
32°	350.4	356.1	364.2	372.2	376.0	379.0	380.4	376.0	372.9	366.9	359.7
32.5°	345.8	351.5	359.8	367.9	371.6	374.8	376.1	371.7	368.6	362.5	355.4
33°	341.1	346.9	355.3	363.4	367.4	370.6	371.9	367.4	364.3	358.4	351.1
33.5°	336.6	342.3	350.9	359.1	363.0	366.2	367.7	363.2	360.0	354.1	346.8
34°	331.9	337.7	346.4	354.5	358.6	361.8	363.4	358.9	355.8	349.8	342.3
34.5°	327.2	333.1	341.8	350.1	354.2	357.4	359.0	354.7	351.4	345.3	337.9
35°	322.3	328.4	337.2	345.5	349.6	353.0	354.6	350.2	346.8	341.0	333.4
35.5°	317.7	323.7	332.5	340.9	345.2	348.6	350.1	345.8	342.7	336.5	329.0
36°	312.9	319.1	328.0	336.3	340.6	344.1	345.7	341.5	338.3	332.1	324.4
36.5°	308.2	314.4	323.2	331.8	336.0	339.6	341.2	336.9	333.7	327.6	319.8
37°	303.5	309.7	318.7	327.2	331.3	335.1	336.8	332.3	329.2	323.1	315.3
37.5°	298.8	305.0	314.0	322.6	326.8	330.5	332.2	327.9	324.8	318.5	310.8
38°	294.0	300.2	309.3	317.8	322.2	325.9	327.8	323.1	320.1	314.1	306.3
38.5°	289.2	295.5	304.3	313.2	317.6	321.3	323.1	318.8	315.6	309.4	301.8
39°	284.5	290.8	299.9	308.6	312.9	316.7	318.6	314.2	311.0	305.0	297.1
39.5°	279.8	286.2	295.3	303.9	308.1	312.1	314.0	309.6	306.4	300.3	292.5
40°	275.1	281.4	290.6	299.3	303.6	307.4	309.4	305.0	301.6	295.7	288.0
40.5°	270.4	276.7	285.8	294.5	298.9	302.9	304.7	300.3	296.9	290.9	283.4
41°	265.8	272.0	281.2	289.8	294.2	298.0	300.1	295.6	292.2	286.2	278.7
41.5°	261.0	267.4	276.6	285.2	289.6	293.5	295.5	290.9	287.5	281.6	274.1
42°	256.4	262.8	271.8	280.5	284.9	288.9	290.9	286.1	282.6	276.9	269.5
42.5°	251.8	258.1	267.1	275.8	280.3	284.1	286.2	281.5	278.0	272.1	264.9
43°	247.3	253.4	262.7	271.3	275.7	279.6	281.7	276.5	273.1	267.4	260.3
43.5°	242.6	248.8	258.1	266.7	271.0	274.8	276.9	271.9	268.4	262.8	255.6
44°	238.1	244.1	253.4	262.1	266.3	270.4	272.2	267.0	263.6	257.9	251.0
44.5°	233.6	239.7	248.9	257.4	261.7	265.7	267.5	262.3	258.9	253.4	246.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	228.9	235.2	244.4	253.0	257.1	261.1	262.9	257.5	253.9	248.6	241.7
45.5°	224.5	230.6	239.9	248.3	252.6	256.4	258.1	252.8	249.3	243.9	237.2
46°	220.0	226.1	235.4	243.7	247.9	251.9	253.4	248.0	244.6	239.2	232.7
46.5°	215.5	221.7	230.8	239.2	243.3	247.2	248.7	243.3	239.9	234.6	228.1
47°	211.0	217.2	226.3	234.6	238.8	242.5	244.0	238.6	235.1	230.0	223.6
47.5°	206.7	212.7	221.9	230.0	234.2	237.9	239.3	234.1	230.7	225.5	219.2
48°	202.3	208.4	217.5	225.5	229.7	233.5	234.9	229.5	226.1	221.0	214.8
48.5°	198.0	203.9	213.0	221.1	225.1	228.8	230.1	224.9	221.6	216.4	210.3
49°	193.8	199.6	208.6	216.6	220.6	224.3	225.7	220.3	217.1	212.1	206.0
49.5°	189.6	195.5	204.1	212.2	216.1	219.8	221.1	215.7	212.5	207.7	201.6
50°	185.4	191.1	200.0	208.0	211.8	215.4	216.5	211.2	208.1	203.4	197.4
50.5°	181.3	187.0	195.7	203.5	207.4	210.9	212.1	206.9	203.8	199.0	193.1
51°	177.2	182.8	191.5	199.2	203.0	206.4	207.7	202.6	199.3	194.7	189.1
51.5°	173.2	178.8	187.2	194.8	198.7	202.2	203.4	198.2	195.1	190.5	184.9
52°	169.2	174.8	183.2	190.8	194.5	197.9	199.1	194.0	190.7	186.4	180.7
52.5°	165.4	170.8	179.2	186.6	190.2	193.6	194.7	189.8	186.7	182.3	176.8
53°	161.4	166.8	175.2	182.5	186.0	189.4	190.4	185.5	182.5	178.1	172.8
53.5°	157.6	163.0	170.9	178.3	181.9	185.2	186.3	181.4	178.4	174.1	168.8
54°	153.9	159.1	167.1	174.4	178.0	181.1	182.2	177.3	174.3	170.1	164.9
54.5°	150.1	155.3	163.2	170.4	173.7	177.0	178.0	173.3	170.5	166.2	161.2
55°	146.6	151.6	159.4	166.4	169.9	173.2	174.0	169.3	166.3	162.3	157.3
55.5°	142.9	148.0	155.7	162.6	165.9	169.1	170.0	165.3	162.5	158.6	153.6
56°	139.5	144.4	151.9	158.8	162.1	165.1	166.1	161.5	158.7	154.6	149.8
56.5°	135.9	140.8	148.3	154.9	158.1	161.3	162.2	157.6	154.9	151.0	146.3
57°	132.5	137.4	144.7	151.3	154.4	157.4	158.3	153.9	151.1	147.3	142.6
57.5°	129.1	133.8	141.0	147.5	150.6	153.7	154.5	150.0	147.4	143.7	139.1
58°	125.7	130.4	137.6	143.9	147.0	149.9	150.8	146.4	143.8	140.1	135.6
58.5°	122.5	127.0	134.1	140.3	143.3	146.3	147.2	142.8	140.3	136.5	132.2
59°	119.2	123.8	130.6	136.8	139.8	142.6	143.5	139.2	136.6	133.1	128.6
59.5°	116.1	120.4	127.2	133.3	136.2	139.1	139.9	135.6	133.2	129.5	125.3
60°	113.0	117.2	123.9	129.9	132.8	135.5	136.4	132.2	129.6	126.1	121.9
60.5°	109.8	114.1	120.6	126.4	129.3	132.1	132.9	128.7	126.2	122.7	118.7
61°	106.8	111.0	117.4	123.1	126.0	128.6	129.5	125.4	122.9	119.4	115.4
61.5°	103.7	107.9	114.1	119.8	122.6	125.3	126.1	122.0	119.5	116.1	112.1
62°	100.8	104.9	111.0	116.6	119.3	122.0	122.8	118.8	116.3	112.8	109.0
62.5°	97.9	101.9	107.8	113.4	116.1	118.7	119.4	115.5	112.9	109.6	105.8
63°	95.1	98.9	104.9	110.1	112.8	115.4	116.1	112.3	109.8	106.4	102.7
63.5°	92.3	95.9	101.8	107.1	109.6	112.2	113.0	109.1	106.6	103.2	99.7
64°	89.4	93.1	98.8	104.0	106.5	109.0	109.8	106.0	103.4	100.2	96.7
64.5°	86.6	90.3	95.8	100.9	103.5	106.0	106.7	102.9	100.3	97.2	93.7
65°	83.9	87.5	93.0	97.9	100.4	102.8	103.6	99.9	97.4	94.2	90.8
65.5°	81.3	84.8	90.2	95.0	97.5	99.9	100.6	96.8	94.2	91.1	87.9
66°	78.7	82.0	87.3	92.1	94.5	96.8	97.6	93.8	91.3	88.3	85.0
66.5°	76.1	79.3	84.5	89.2	91.5	93.9	94.6	90.8	88.4	85.4	82.2
67°	73.5	76.7	81.7	86.3	88.7	91.0	91.7	88.0	85.6	82.6	79.4

TEST NUMBER: P895716
 CATALOG NUMBER: RAWZC610-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	71.0	74.2	79.0	83.6	86.0	88.2	88.9	85.2	82.8	79.8	76.7
68°	68.4	71.6	76.4	80.8	83.2	85.4	86.1	82.4	80.0	77.0	74.0
68.5°	66.0	69.1	73.8	78.1	80.5	82.7	83.3	79.6	77.2	74.3	71.2
69°	63.6	66.6	71.1	75.4	77.7	79.9	80.6	76.8	74.3	71.5	68.7
69.5°	61.2	64.1	68.6	72.8	75.0	77.2	77.8	74.1	71.6	68.9	65.9
70°	58.7	61.7	66.0	70.1	72.3	74.5	75.1	71.4	69.1	66.3	63.4
70.5°	56.5	59.3	63.6	67.5	69.7	71.8	72.3	68.7	66.4	63.6	60.8
71°	54.2	57.0	61.1	65.0	67.2	69.1	69.6	66.0	63.8	61.1	58.4
71.5°	52.0	54.6	58.7	62.5	64.6	66.7	67.1	63.4	61.2	58.6	55.8
72°	49.7	52.4	56.3	60.1	62.1	64.0	64.5	60.9	58.6	56.1	53.4
72.5°	47.6	50.1	53.9	57.7	59.6	61.6	61.9	58.4	56.2	53.6	50.9
73°	45.5	47.9	51.6	55.3	57.2	59.0	59.4	55.9	53.7	51.2	48.6
73.5°	43.3	45.8	49.3	52.9	54.8	56.7	56.9	53.5	51.4	48.8	46.2
74°	41.2	43.6	47.1	50.6	52.4	54.2	54.5	51.1	48.9	46.6	44.0
74.5°	39.1	41.4	44.9	48.3	50.1	51.9	52.1	48.7	46.6	44.2	41.7
75°	37.1	39.3	42.7	46.0	47.8	49.5	49.7	46.4	44.4	42.0	39.5
75.5°	35.2	37.3	40.6	43.8	45.5	47.3	47.4	44.1	42.1	39.8	37.3
76°	33.4	35.3	38.6	41.6	43.3	44.9	45.1	41.8	39.9	37.6	35.2
76.5°	31.5	33.5	36.5	39.5	41.1	42.7	42.9	39.7	37.7	35.5	33.1
77°	29.6	31.6	34.3	37.4	38.9	40.5	40.6	37.5	35.6	33.4	31.1
77.5°	27.7	29.7	32.4	35.3	36.9	38.4	38.5	35.4	33.6	31.4	29.1
78°	25.9	27.8	30.6	33.4	34.8	36.3	36.4	33.3	31.5	29.4	27.1
78.5°	24.2	26.0	28.7	31.5	32.8	34.2	34.2	31.3	29.5	27.4	25.2
79°	22.4	24.2	26.9	29.5	30.8	32.1	32.1	29.3	27.5	25.5	23.4
79.5°	20.8	22.5	24.9	27.6	28.9	30.1	30.1	27.3	25.7	23.7	21.6
80°	19.2	20.8	23.2	25.7	27.1	28.2	28.2	25.4	23.9	21.9	20.0
80.5°	17.6	19.2	21.5	23.9	25.2	26.3	26.3	23.6	22.1	20.1	18.2
81°	16.1	17.7	19.9	22.2	23.3	24.5	24.4	21.8	20.3	18.4	16.6
81.5°	14.7	16.1	18.2	20.4	21.6	22.6	22.6	20.0	18.6	16.8	15.0
82°	13.3	14.7	16.7	18.8	19.9	20.9	20.8	18.3	17.0	15.3	13.5
82.5°	12.1	13.3	15.3	17.3	18.2	19.3	19.2	16.8	15.3	13.7	12.0
83°	10.7	12.0	13.8	15.7	16.7	17.6	17.5	15.2	13.8	12.2	10.6
83.5°	9.5	10.7	12.4	14.2	15.1	16.0	15.9	13.6	12.4	10.8	9.4
84°	8.3	9.5	11.0	12.8	13.6	14.5	14.4	12.2	10.9	9.5	8.2
84.5°	7.2	8.3	9.7	11.4	12.1	13.0	12.9	10.7	9.6	8.3	6.9
85°	6.0	7.1	8.5	10.1	10.7	11.5	11.4	9.5	8.3	7.0	5.7
85.5°	5.0	5.9	7.3	8.7	9.5	10.2	10.2	8.3	7.1	5.8	4.4
86°	4.0	4.9	6.2	7.5	8.3	8.9	9.0	7.0	5.9	4.5	3.5
86.5°	3.3	3.9	5.1	6.3	7.1	7.8	7.8	5.8	4.6	3.5	2.6
87°	2.5	3.3	4.1	5.3	5.9	6.5	6.5	4.5	3.6	2.7	1.8
87.5°	1.8	2.5	3.3	4.2	4.7	5.4	5.3	3.5	2.8	1.9	1.2
88°	1.1	1.7	2.5	3.4	3.7	4.1	4.0	2.7	2.0	1.2	0.5
88.5°	0.3	1.1	1.8	2.6	2.9	3.3	3.1	1.9	1.2	0.5	0.1
89°	0.1	0.3	1.1	1.8	2.1	2.5	2.3	1.2	0.5	0.1	0.0
89.5°	0.0	0.1	0.3	1.1	1.2	1.6	1.5	0.4	0.1	0.0	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: P895716
CATALOG NUMBER: RAWZC610-3000K

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: P895716
 CATALOG NUMBER: RAWZC610-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	511.0	511.0	511.0	511.0	511.0	511.0
0.5°	510.2	510.5	510.6	510.8	511.5	511.6
1°	509.7	510.2	510.3	510.5	511.3	511.4
1.5°	509.4	509.8	509.9	510.0	510.9	511.2
2°	508.8	509.3	509.3	509.6	510.5	510.8
2.5°	508.4	508.6	508.7	508.8	510.1	510.4
3°	507.8	508.0	508.0	508.3	509.6	510.0
3.5°	506.7	507.3	507.3	507.5	508.9	509.4
4°	506.3	506.5	506.4	506.8	508.1	508.8
4.5°	505.5	505.6	505.6	505.8	507.4	508.0
5°	504.6	504.7	504.6	504.9	506.5	507.4
5.5°	503.5	503.7	503.4	503.3	505.6	506.3
6°	502.6	502.6	502.4	502.7	504.5	505.6
6.5°	501.3	501.5	501.1	501.5	503.4	504.3
7°	500.2	500.2	500.0	500.3	502.3	503.3
7.5°	498.9	499.0	498.5	498.9	501.0	502.1
8°	497.6	497.6	497.2	497.5	499.7	500.9
8.5°	496.2	496.2	495.6	496.1	498.3	499.5
9°	494.8	494.6	494.2	494.4	496.8	498.1
9.5°	493.3	493.2	492.5	492.9	495.3	496.6
10°	491.7	491.5	491.0	491.2	493.7	495.0
10.5°	490.1	489.8	489.2	489.5	491.9	493.5
11°	488.4	488.1	487.5	487.7	490.2	491.7
11.5°	486.7	486.4	485.6	485.9	488.2	489.9
12°	484.8	484.4	483.8	483.9	486.6	488.0
12.5°	482.9	482.4	481.8	481.9	484.4	486.2
13°	480.4	480.5	479.7	479.7	482.5	484.1
13.5°	478.8	478.4	477.4	477.6	479.9	482.0
14°	476.7	476.4	475.3	475.4	478.1	479.7
14.5°	474.5	474.0	473.0	473.0	475.8	477.5
15°	472.3	471.8	470.7	470.6	473.4	475.2
15.5°	469.9	469.3	468.2	468.1	470.9	472.7
16°	467.6	467.0	465.7	465.5	468.5	470.3
16.5°	464.9	464.4	463.2	462.9	465.8	467.6
17°	462.5	461.9	460.5	460.1	463.2	465.0
17.5°	459.8	459.2	457.8	457.3	460.5	462.1
18°	457.1	456.4	454.9	454.3	457.5	459.3
18.5°	454.1	453.6	452.0	451.4	454.5	456.2
19°	451.4	450.6	448.9	448.0	451.5	453.4
19.5°	448.3	447.5	445.8	445.0	448.4	450.2
20°	445.3	444.4	442.6	441.6	445.1	447.0
20.5°	442.0	441.2	439.3	438.3	441.9	443.8
21°	438.9	437.9	436.0	434.8	438.3	440.3
21.5°	435.5	434.5	432.5	431.2	434.9	436.9
22°	432.3	431.1	429.0	427.8	431.3	433.2

TEST NUMBER: P895716
 CATALOG NUMBER: RAWZC610-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	428.9	427.6	425.5	424.2	427.8	429.8
23°	425.5	424.0	421.8	420.5	424.0	425.9
23.5°	421.8	420.4	418.2	416.8	420.2	422.3
24°	418.2	416.7	414.3	412.9	416.4	418.5
24.5°	414.6	413.0	410.6	409.0	412.6	414.7
25°	410.9	409.1	406.6	405.1	408.7	410.6
25.5°	407.0	405.2	402.8	401.1	404.6	406.8
26°	403.4	401.5	398.7	397.2	400.5	402.5
26.5°	399.4	397.4	394.4	393.0	396.5	398.7
27°	395.6	393.5	390.6	388.9	392.4	394.5
27.5°	391.4	389.3	386.5	384.8	388.3	390.2
28°	387.5	385.3	382.3	380.5	383.8	385.9
28.5°	383.3	381.1	378.2	376.1	379.6	381.7
29°	379.2	376.7	373.8	371.8	375.2	377.4
29.5°	375.0	372.7	369.6	367.6	371.0	373.0
30°	370.8	368.4	365.2	363.2	366.4	368.6
30.5°	366.5	364.1	360.9	358.8	362.0	364.2
31°	362.3	359.7	356.4	354.2	357.3	359.5
31.5°	357.9	355.4	352.0	349.7	352.9	354.9
32°	353.5	350.9	347.5	345.2	348.3	350.4
32.5°	349.2	346.4	343.0	340.6	343.9	345.8
33°	344.8	342.0	338.5	336.1	339.1	341.1
33.5°	340.2	337.6	333.8	331.4	334.6	336.6
34°	335.8	333.0	329.4	326.8	329.8	331.9
34.5°	331.2	328.4	324.6	322.1	325.4	327.2
35°	326.7	323.8	320.0	317.5	320.6	322.3
35.5°	322.1	319.4	315.4	312.9	315.8	317.7
36°	317.5	314.7	310.9	308.1	311.1	312.9
36.5°	313.1	310.0	306.2	303.5	306.5	308.2
37°	308.5	305.4	301.6	298.8	301.8	303.5
37.5°	304.0	300.8	297.0	294.1	297.0	298.8
38°	299.3	296.2	292.3	289.5	292.3	294.0
38.5°	294.8	291.7	287.6	284.7	287.6	289.2
39°	290.2	287.1	283.2	280.2	282.9	284.5
39.5°	285.7	282.5	278.5	275.5	278.3	279.8
40°	281.1	277.9	273.9	270.8	273.6	275.1
40.5°	276.4	273.3	269.3	266.3	268.9	270.4
41°	272.0	268.8	264.8	261.8	264.3	265.8
41.5°	267.3	264.1	260.1	257.2	259.7	261.0
42°	262.8	259.5	255.6	252.7	255.2	256.4
42.5°	258.2	255.1	251.0	248.3	250.6	251.8
43°	253.5	250.6	246.5	243.7	246.0	247.3
43.5°	249.0	246.0	241.9	239.2	241.4	242.6
44°	244.5	241.5	237.5	234.6	236.9	238.1
44.5°	239.9	236.9	232.9	230.1	232.3	233.6

TEST NUMBER: P895716
 CATALOG NUMBER: RAWZC610-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	235.5	232.4	228.5	225.6	227.9	228.9
45.5°	231.0	227.9	224.0	221.2	223.2	224.5
46°	226.4	223.5	219.7	216.8	218.8	220.0
46.5°	221.9	219.0	215.1	212.4	214.3	215.5
47°	217.5	214.7	210.7	208.1	210.1	211.0
47.5°	213.2	210.3	206.4	203.7	205.6	206.7
48°	208.7	205.9	202.2	199.3	201.2	202.3
48.5°	204.5	201.5	197.8	195.2	196.9	198.0
49°	200.1	197.4	193.6	191.0	192.8	193.8
49.5°	196.0	193.2	189.6	186.9	188.5	189.6
50°	191.7	189.0	185.4	182.7	184.5	185.4
50.5°	187.6	185.0	181.4	178.6	180.3	181.3
51°	183.5	180.8	177.3	174.6	176.3	177.2
51.5°	179.4	176.8	173.4	170.7	172.2	173.2
52°	175.5	172.9	169.4	166.7	168.5	169.2
52.5°	171.5	168.9	165.6	163.0	164.5	165.4
53°	167.5	165.0	161.6	159.1	160.7	161.4
53.5°	163.7	161.3	157.9	155.3	156.8	157.6
54°	159.9	157.5	154.2	151.6	153.1	153.9
54.5°	156.2	153.8	150.4	148.0	149.5	150.1
55°	152.4	150.1	146.8	144.3	145.8	146.6
55.5°	148.8	146.5	143.3	140.9	142.3	142.9
56°	145.1	142.9	139.7	137.3	138.8	139.5
56.5°	141.6	139.3	136.3	133.9	135.3	135.9
57°	138.0	135.8	132.8	130.4	131.9	132.5
57.5°	134.6	132.4	129.4	127.1	128.5	129.1
58°	131.2	129.0	126.1	123.8	125.1	125.7
58.5°	127.8	125.8	122.8	120.6	121.8	122.5
59°	124.5	122.4	119.5	117.3	118.7	119.2
59.5°	121.3	119.1	116.3	114.2	115.5	116.1
60°	117.9	116.0	113.1	111.1	112.3	113.0
60.5°	114.7	112.7	109.9	107.8	109.3	109.8
61°	111.6	109.6	106.9	104.9	106.2	106.8
61.5°	108.5	106.5	103.9	101.9	103.1	103.7
62°	105.4	103.6	100.9	98.9	100.2	100.8
62.5°	102.3	100.5	97.8	96.0	97.4	97.9
63°	99.3	97.6	95.0	93.1	94.4	95.1
63.5°	96.3	94.7	92.1	90.3	91.6	92.3
64°	93.4	91.7	89.2	87.5	88.8	89.4
64.5°	90.6	88.9	86.5	84.6	86.0	86.6
65°	87.7	86.1	83.7	82.0	83.3	83.9
65.5°	84.9	83.4	81.0	79.2	80.7	81.3
66°	82.1	80.6	78.3	76.6	77.9	78.7
66.5°	79.3	77.9	75.6	74.0	75.3	76.1
67°	76.6	75.2	73.0	71.4	72.8	73.5

TEST NUMBER: P895716
 CATALOG NUMBER: RAWZC610-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	73.9	72.6	70.4	68.9	70.2	71.0
68°	71.1	69.9	67.8	66.3	67.7	68.4
68.5°	68.5	67.3	65.3	63.9	65.3	66.0
69°	65.9	64.8	62.8	61.4	62.8	63.6
69.5°	63.3	62.3	60.4	58.9	60.4	61.2
70°	60.8	59.8	57.9	56.7	58.0	58.7
70.5°	58.2	57.2	55.6	54.3	55.7	56.5
71°	55.8	54.9	53.2	52.0	53.4	54.2
71.5°	53.3	52.5	50.9	49.7	51.1	52.0
72°	50.9	50.1	48.6	47.5	48.9	49.7
72.5°	48.5	47.8	46.3	45.3	46.8	47.6
73°	46.2	45.6	44.1	43.1	44.6	45.5
73.5°	44.0	43.3	41.9	41.0	42.5	43.3
74°	41.8	41.1	39.8	38.9	40.4	41.2
74.5°	39.6	38.9	37.7	36.7	38.4	39.1
75°	37.4	36.8	35.6	34.8	36.3	37.1
75.5°	35.3	34.7	34.1	32.9	34.3	35.2
76°	33.2	32.8	32.0	31.1	32.5	33.4
76.5°	31.2	30.9	29.9	29.2	30.7	31.5
77°	29.3	28.9	27.9	27.2	28.8	29.6
77.5°	27.2	27.0	25.9	25.3	27.0	27.7
78°	25.3	25.0	24.1	23.6	25.0	25.9
78.5°	23.5	23.2	22.3	21.8	23.4	24.2
79°	21.7	21.4	20.6	20.1	21.7	22.4
79.5°	20.0	19.7	18.9	18.5	20.0	20.8
80°	18.3	18.0	17.3	17.0	18.4	19.2
80.5°	16.6	16.4	15.7	15.4	16.9	17.6
81°	15.1	14.8	14.2	13.9	15.4	16.1
81.5°	13.5	13.2	12.7	12.6	14.0	14.7
82°	12.1	11.8	11.3	11.2	12.7	13.3
82.5°	10.6	10.5	10.0	9.9	11.3	12.1
83°	9.4	9.1	8.6	8.6	10.1	10.7
83.5°	8.2	7.8	7.4	7.4	8.8	9.5
84°	6.9	6.6	6.2	6.2	7.7	8.3
84.5°	5.8	5.5	5.1	5.1	6.4	7.2
85°	4.5	4.4	4.0	4.1	5.4	6.0
85.5°	3.5	3.4	3.2	3.2	4.3	5.0
86°	2.6	2.7	2.4	2.4	3.5	4.0
86.5°	1.9	1.9	1.6	1.6	2.7	3.3
87°	1.2	1.2	1.0	1.2	1.9	2.5
87.5°	0.5	0.4	0.2	0.8	1.2	1.8
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: P895716
CATALOG NUMBER: RAWZC610-3000K

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)