

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: P895718

Luminaire Tested: **RAWZC610-4000K**

Issue Date: 11/14/2024

Tested By:

Approved By:



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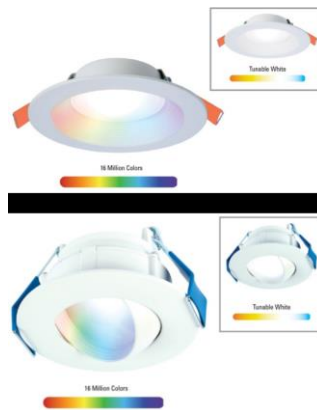
Test Information

Test Method: LM-79-08
 Report Number: P895718
 Test Lab:
 Issue Date: 11/14/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: RAWZC610-4000K
 Description: 6IN ADJUSTABLE WiZ SELECTABLE CCT
 Light Source: WiZ SELECTABLE 90CRI / 4000K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 1070.0 lumens
 Efficiency: N/A
 Efficacy: 105.9 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

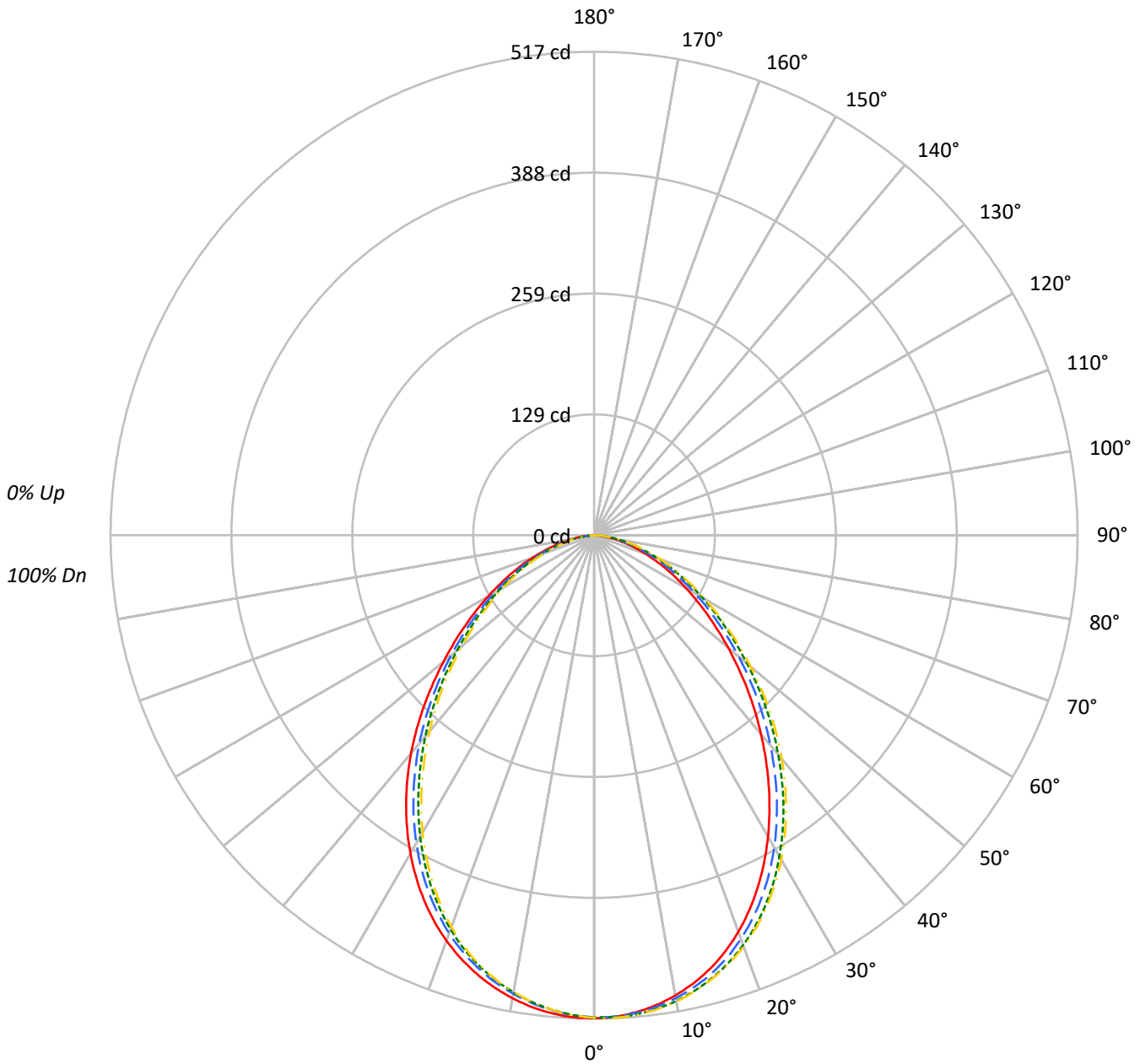
Input Watts (W): 10.1
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



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

TEST NUMBER: P895718
CATALOG NUMBER: RAWZC610-4000K

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: RAWZC610-4000K

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	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°	28276	28276	28276	28276
5°	28186	28307	28241	28038
10°	27816	28150	27983	27621
15°	27225	27787	27548	27026
20°	26328	27203	26917	26171
25°	25072	26306	26028	24981
30°	23548	25092	24865	23535
35°	21777	23617	23430	21870
40°	19873	21934	21791	20073
45°	17909	20118	19870	18188
50°	15965	18234	17910	16272
55°	14145	16391	16047	14480
60°	12510	14692	14341	12839
65°	10987	13153	12751	11285
70°	9505	11701	11172	9665
75°	7943	10209	9489	7879
80°	6125	8619	7608	5746
85°	3837	6793	5284	2830

TEST NUMBER: P895718
 CATALOG NUMBER: RAWZC610-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	4.5
10°-20°	135.8	12.7
20°-30°	194.3	18.2
30°-40°	211.5	19.8
40°-50°	189.4	17.7
50°-60°	143.6	13.4
60°-70°	92.6	8.7
70°-80°	45.0	4.2
80°-90°	9.4	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°	378.5	35.4
0°-40°	590.0	55.1
0°-60°	923.0	86.3
0°-90°	1070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1070.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	516	516	516	516	516	
5°	512	514	513	510	512	48
15°	480	490	485	476	480	135
25°	414	435	430	413	414	190
35°	325	353	350	327	325	203
45°	231	260	256	235	231	178
55°	148	172	168	152	148	133
65°	85	101	98	87	85	84
75°	38	48	45	37	38	40
85°	6	11	8	4	6	8
90°	0	0	0	0	0	

TEST NUMBER: P895718
 CATALOG NUMBER: RAWZC610-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8
0.5°	516.4	515.8	515.4	515.5	515.8	516.0	516.2	516.6	516.6	515.7	515.1
1°	516.2	515.8	515.5	515.5	515.8	516.2	516.5	516.7	516.4	515.7	514.9
1.5°	516.0	515.6	515.4	515.6	516.0	516.2	516.4	516.6	516.3	515.4	514.6
2°	515.6	515.6	515.3	515.5	515.8	516.2	516.5	516.5	516.1	515.2	514.2
2.5°	515.3	515.2	515.0	515.5	515.9	516.1	516.4	516.3	515.8	514.6	513.6
3°	514.8	514.8	514.8	515.2	515.6	516.1	516.3	515.9	515.5	514.3	513.1
3.5°	514.2	514.4	514.2	515.0	515.6	515.8	516.0	515.6	515.1	513.7	512.5
4°	513.6	513.8	513.9	514.6	515.1	515.6	515.7	515.1	514.5	513.2	511.8
4.5°	512.7	513.2	513.4	514.2	514.8	515.3	515.4	514.7	513.9	512.5	511.1
5°	512.2	512.5	512.8	513.8	514.4	514.8	514.9	513.9	513.2	511.8	510.1
5.5°	511.1	511.7	512.2	513.1	513.9	514.3	514.4	513.4	512.5	510.9	509.3
6°	510.3	510.8	511.4	512.5	513.2	513.7	513.7	512.5	511.7	510.0	508.3
6.5°	509.1	509.9	510.7	511.8	512.5	513.1	513.0	511.9	510.8	509.1	507.2
7°	508.1	508.9	509.6	511.0	511.9	512.3	512.4	510.9	509.9	508.0	506.1
7.5°	506.8	507.8	508.8	510.1	510.9	511.6	511.5	510.0	508.9	506.9	504.9
8°	505.7	506.6	507.6	509.2	510.0	510.6	510.6	509.0	507.8	505.8	503.3
8.5°	504.2	505.4	506.6	508.2	509.1	509.7	509.6	508.0	506.6	504.5	502.2
9°	502.8	504.1	505.4	507.1	508.0	508.6	508.6	506.7	505.4	503.3	500.9
9.5°	501.3	502.6	504.1	505.9	506.9	507.6	507.5	505.6	504.1	501.9	499.3
10°	499.7	501.1	502.7	504.7	505.7	506.3	506.4	504.4	502.7	500.4	497.9
10.5°	498.1	499.5	501.2	503.3	504.4	505.2	505.1	503.0	501.3	498.9	496.3
11°	496.4	497.9	499.8	502.0	503.1	503.7	503.7	501.5	499.7	497.4	494.7
11.5°	494.5	496.2	498.2	500.4	501.6	502.1	502.3	500.1	498.3	495.8	492.9
12°	492.6	494.4	496.6	498.5	500.2	500.9	500.8	498.5	496.5	494.1	491.2
12.5°	490.8	492.5	494.8	497.3	498.6	499.5	499.3	496.9	495.0	492.3	489.4
13°	488.6	490.5	493.0	495.6	497.0	497.8	497.6	495.2	493.1	490.6	487.6
13.5°	486.6	488.6	491.1	493.9	495.3	496.2	496.0	493.4	491.4	488.6	485.5
14°	484.3	486.4	489.4	492.1	493.6	494.4	494.2	491.5	489.4	486.7	483.5
14.5°	482.0	484.3	487.3	490.2	491.5	492.5	492.4	489.6	487.5	484.5	481.3
15°	479.7	481.9	485.1	488.2	489.6	490.7	490.5	487.7	485.4	482.5	479.1
15.5°	477.2	479.6	482.9	486.2	487.7	488.7	488.6	485.6	483.4	480.3	476.8
16°	474.7	477.1	480.6	484.1	485.6	486.8	486.5	483.5	481.2	478.1	474.5
16.5°	472.0	474.7	478.3	481.9	483.6	484.7	484.6	481.3	478.9	475.8	472.2
17°	469.4	472.0	475.8	479.6	481.3	482.4	482.3	479.0	476.7	473.3	469.6
17.5°	466.5	469.4	473.3	477.1	478.9	480.3	480.2	476.7	474.3	470.8	467.0
18°	463.6	466.4	470.7	474.8	476.5	478.0	477.8	474.3	471.9	468.3	464.4
18.5°	460.5	463.6	468.0	472.0	474.1	475.6	475.5	471.9	469.4	465.7	461.7
19°	457.6	460.6	465.1	469.6	471.6	473.0	472.9	469.4	466.7	463.0	458.9
19.5°	454.4	457.6	462.3	466.6	469.0	470.6	470.6	466.7	464.1	460.3	455.9
20°	451.3	454.5	459.3	464.0	466.3	467.9	467.9	464.0	461.4	457.4	453.0
20.5°	448.0	451.3	456.3	461.1	463.5	465.2	465.3	461.2	458.6	454.5	449.9
21°	444.5	448.1	453.1	458.1	460.6	462.4	462.3	458.4	455.7	451.5	446.8
21.5°	441.0	444.8	449.9	455.1	457.6	459.5	459.6	455.5	452.8	448.4	443.5
22°	437.3	441.4	446.7	452.0	454.7	456.5	456.6	452.5	449.8	445.2	440.4

TEST NUMBER: P895718
 CATALOG NUMBER: RAWZC610-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	433.8	437.8	443.1	448.9	451.6	453.5	453.6	449.4	446.8	442.2	436.9
23°	429.9	434.3	439.9	445.6	448.3	450.3	450.5	446.4	443.5	438.9	433.7
23.5°	426.3	430.5	436.4	442.3	445.2	447.2	447.4	443.1	440.3	435.7	430.2
24°	422.5	426.9	433.0	439.0	441.8	443.7	444.1	439.8	437.1	432.3	426.8
24.5°	418.6	423.2	429.3	435.5	438.4	440.4	440.7	436.4	433.7	428.9	423.1
25°	414.5	419.2	425.6	431.9	434.9	437.0	437.3	433.1	430.3	425.4	419.5
25.5°	410.7	415.3	421.7	428.3	431.4	433.5	433.9	429.7	426.8	421.8	415.8
26°	406.3	411.4	417.9	424.5	427.7	430.1	430.4	426.2	423.3	418.1	412.0
26.5°	402.4	407.3	414.1	420.8	423.9	426.4	426.8	422.4	419.7	414.5	408.3
27°	398.2	403.2	410.2	416.9	420.2	422.6	423.3	418.9	416.0	410.8	404.4
27.5°	393.9	399.1	406.0	413.2	416.5	418.5	419.6	415.2	412.2	406.6	400.5
28°	389.6	394.8	402.1	409.2	412.5	415.1	415.7	411.6	408.5	403.0	396.5
28.5°	385.3	390.5	397.9	405.2	408.6	411.2	412.0	407.7	404.7	399.2	392.6
29°	380.9	386.2	393.8	401.1	404.7	407.3	408.2	403.9	400.8	395.3	388.4
29.5°	376.5	381.9	389.6	397.0	400.5	403.2	404.4	399.8	396.7	391.2	384.3
30°	372.0	377.5	385.3	392.9	396.4	399.3	400.3	395.9	392.8	387.1	380.1
30.5°	367.6	373.1	381.0	388.7	392.3	395.1	396.3	391.9	388.7	383.0	376.0
31°	362.9	368.6	376.6	384.4	388.1	391.0	392.2	387.8	384.6	378.8	371.8
31.5°	358.3	364.0	372.2	380.0	384.0	386.8	388.1	383.7	380.5	374.7	367.5
32°	353.7	359.5	367.7	375.7	379.5	382.6	384.0	379.5	376.4	370.4	363.1
32.5°	349.1	354.8	363.2	371.4	375.1	378.3	379.7	375.2	372.0	365.9	358.8
33°	344.3	350.2	358.7	366.8	370.9	374.1	375.4	370.9	367.8	361.8	354.4
33.5°	339.8	345.5	354.2	362.5	366.4	369.6	371.2	366.6	363.4	357.4	350.1
34°	335.0	340.9	349.7	357.8	362.0	365.3	366.8	362.3	359.2	353.1	345.5
34.5°	330.3	336.2	345.0	353.4	357.5	360.8	362.4	358.0	354.7	348.6	341.1
35°	325.4	331.5	340.4	348.8	352.9	356.4	357.9	353.5	350.1	344.2	336.5
35.5°	320.7	326.7	335.6	344.2	348.4	351.9	353.4	349.1	345.9	339.7	332.1
36°	315.9	322.1	331.1	339.5	343.9	347.3	349.0	344.7	341.4	335.2	327.5
36.5°	311.1	317.3	326.2	335.0	339.2	342.8	344.4	340.1	336.9	330.7	322.8
37°	306.4	312.6	321.7	330.3	334.5	338.2	340.0	335.4	332.3	326.1	318.3
37.5°	301.6	307.8	316.9	325.7	329.9	333.6	335.3	331.0	327.9	321.5	313.7
38°	296.8	303.0	312.2	320.8	325.3	328.9	330.9	326.1	323.1	317.0	309.2
38.5°	292.0	298.3	307.2	316.2	320.6	324.3	326.1	321.8	318.6	312.3	304.6
39°	287.2	293.5	302.7	311.5	315.9	319.7	321.6	317.1	313.9	307.8	299.9
39.5°	282.5	288.9	298.1	306.8	311.0	315.0	316.9	312.5	309.3	303.1	295.3
40°	277.7	284.0	293.3	302.1	306.5	310.3	312.3	307.8	304.5	298.4	290.7
40.5°	273.0	279.3	288.5	297.3	301.7	305.7	307.5	303.1	299.7	293.6	286.1
41°	268.3	274.5	283.8	292.5	297.0	300.8	302.9	298.3	295.0	288.9	281.3
41.5°	263.5	269.9	279.2	287.9	292.3	296.2	298.3	293.6	290.2	284.2	276.7
42°	258.8	265.2	274.3	283.1	287.6	291.7	293.6	288.8	285.3	279.5	272.0
42.5°	254.2	260.5	269.6	278.4	283.0	286.8	288.9	284.1	280.6	274.6	267.4
43°	249.6	255.8	265.1	273.9	278.3	282.3	284.3	279.1	275.7	269.9	262.7
43.5°	244.9	251.2	260.6	269.2	273.6	277.4	279.5	274.4	270.9	265.2	258.0
44°	240.3	246.4	255.8	264.6	268.8	273.0	274.7	269.5	266.1	260.3	253.3
44.5°	235.8	242.0	251.3	259.8	264.2	268.2	270.1	264.7	261.4	255.7	248.7

TEST NUMBER: P895718
 CATALOG NUMBER: RAWZC610-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	231.0	237.4	246.7	255.4	259.5	263.6	265.4	259.9	256.3	250.9	244.0
45.5°	226.6	232.8	242.2	250.6	255.0	258.8	260.6	255.2	251.7	246.2	239.5
46°	222.0	228.2	237.6	246.0	250.2	254.3	255.8	250.3	246.9	241.4	234.9
46.5°	217.5	223.8	233.0	241.4	245.6	249.5	251.1	245.6	242.2	236.9	230.3
47°	213.0	219.2	228.4	236.9	241.0	244.8	246.3	240.8	237.3	232.2	225.7
47.5°	208.7	214.7	224.0	232.2	236.4	240.2	241.6	236.3	232.9	227.7	221.3
48°	204.2	210.3	219.5	227.7	231.8	235.7	237.1	231.6	228.2	223.1	216.8
48.5°	199.9	205.9	215.0	223.2	227.3	231.0	232.3	227.0	223.7	218.5	212.3
49°	195.6	201.5	210.6	218.7	222.7	226.4	227.9	222.3	219.1	214.1	207.9
49.5°	191.3	197.4	206.1	214.2	218.2	221.8	223.2	217.8	214.5	209.6	203.5
50°	187.2	192.9	201.9	209.9	213.8	217.4	218.6	213.2	210.0	205.3	199.3
50.5°	183.0	188.7	197.5	205.4	209.4	212.8	214.1	208.9	205.7	200.8	194.9
51°	178.9	184.6	193.3	201.0	204.9	208.4	209.6	204.5	201.2	196.6	190.9
51.5°	174.8	180.5	188.9	196.7	200.5	204.1	205.3	200.1	197.0	192.3	186.6
52°	170.8	176.4	185.0	192.6	196.4	199.8	200.9	195.8	192.5	188.2	182.4
52.5°	166.9	172.4	180.9	188.3	192.0	195.4	196.6	191.5	188.4	184.0	178.5
53°	162.9	168.4	176.8	184.2	187.8	191.2	192.2	187.3	184.2	179.8	174.4
53.5°	159.1	164.5	172.6	180.0	183.6	187.0	188.1	183.1	180.1	175.8	170.4
54°	155.3	160.6	168.7	176.0	179.6	182.8	183.9	179.0	175.9	171.7	166.5
54.5°	151.5	156.8	164.7	172.0	175.4	178.7	179.7	174.9	172.1	167.8	162.7
55°	148.0	153.0	160.9	168.0	171.5	174.8	175.7	170.9	167.9	163.8	158.8
55.5°	144.3	149.4	157.2	164.1	167.4	170.7	171.6	166.8	164.0	160.1	155.0
56°	140.8	145.7	153.3	160.3	163.7	166.7	167.6	163.0	160.2	156.1	151.3
56.5°	137.2	142.2	149.7	156.4	159.6	162.8	163.7	159.1	156.4	152.4	147.7
57°	133.7	138.7	146.0	152.7	155.8	158.9	159.8	155.3	152.5	148.6	144.0
57.5°	130.3	135.1	142.3	148.9	152.0	155.1	156.0	151.5	148.8	145.1	140.4
58°	126.9	131.6	138.9	145.3	148.4	151.4	152.2	147.8	145.2	141.4	136.9
58.5°	123.7	128.2	135.4	141.7	144.7	147.7	148.5	144.2	141.6	137.8	133.4
59°	120.4	124.9	131.8	138.1	141.1	144.0	144.9	140.5	137.9	134.3	129.9
59.5°	117.2	121.5	128.4	134.6	137.5	140.4	141.2	136.9	134.4	130.7	126.5
60°	114.1	118.3	125.1	131.1	134.0	136.8	137.7	133.4	130.8	127.2	123.1
60.5°	110.9	115.1	121.7	127.6	130.5	133.3	134.1	130.0	127.4	123.9	119.8
61°	107.8	112.0	118.5	124.2	127.1	129.9	130.7	126.6	124.0	120.6	116.5
61.5°	104.7	108.9	115.1	120.9	123.8	126.5	127.2	123.2	120.7	117.2	113.2
62°	101.8	105.8	112.0	117.7	120.5	123.2	123.9	119.9	117.4	113.9	110.0
62.5°	98.9	102.8	108.8	114.5	117.2	119.8	120.6	116.6	114.0	110.7	106.8
63°	96.0	99.8	105.8	111.2	113.9	116.5	117.2	113.4	110.9	107.4	103.7
63.5°	93.2	96.8	102.7	108.1	110.7	113.3	114.1	110.1	107.6	104.2	100.6
64°	90.3	94.0	99.7	105.0	107.5	110.0	110.9	107.0	104.4	101.2	97.6
64.5°	87.4	91.1	96.7	101.9	104.5	107.0	107.7	103.9	101.3	98.1	94.6
65°	84.7	88.3	93.8	98.9	101.4	103.8	104.6	100.8	98.3	95.1	91.6
65.5°	82.1	85.6	91.0	95.9	98.4	100.8	101.6	97.7	95.1	92.0	88.7
66°	79.4	82.8	88.1	93.0	95.4	97.7	98.5	94.7	92.2	89.1	85.8
66.5°	76.8	80.1	85.3	90.1	92.4	94.8	95.5	91.7	89.3	86.2	83.0
67°	74.2	77.5	82.5	87.2	89.6	91.9	92.6	88.8	86.4	83.4	80.2

TEST NUMBER: P895718
 CATALOG NUMBER: RAWZC610-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	71.7	74.9	79.8	84.3	86.8	89.0	89.8	86.0	83.6	80.6	77.5
68°	69.0	72.2	77.1	81.5	84.0	86.2	87.0	83.2	80.8	77.8	74.7
68.5°	66.6	69.7	74.5	78.8	81.2	83.5	84.1	80.4	78.0	75.0	71.9
69°	64.2	67.2	71.8	76.1	78.4	80.7	81.3	77.6	75.0	72.1	69.3
69.5°	61.8	64.7	69.2	73.5	75.7	78.0	78.5	74.8	72.2	69.5	66.5
70°	59.3	62.3	66.6	70.8	73.0	75.2	75.8	72.0	69.7	66.9	64.0
70.5°	57.0	59.8	64.2	68.2	70.4	72.4	73.0	69.3	67.0	64.2	61.4
71°	54.7	57.5	61.7	65.7	67.8	69.7	70.3	66.6	64.4	61.7	59.0
71.5°	52.5	55.1	59.3	63.1	65.2	67.3	67.7	64.0	61.8	59.2	56.4
72°	50.2	52.9	56.8	60.6	62.7	64.6	65.1	61.5	59.2	56.6	53.9
72.5°	48.0	50.5	54.4	58.2	60.1	62.2	62.5	59.0	56.7	54.1	51.4
73°	45.9	48.3	52.1	55.8	57.7	59.6	59.9	56.5	54.2	51.7	49.1
73.5°	43.7	46.2	49.8	53.4	55.3	57.2	57.4	54.0	51.9	49.3	46.7
74°	41.5	44.0	47.5	51.0	52.9	54.7	55.0	51.6	49.4	47.1	44.4
74.5°	39.5	41.8	45.3	48.7	50.5	52.4	52.6	49.2	47.1	44.6	42.1
75°	37.5	39.7	43.1	46.5	48.2	50.0	50.2	46.9	44.8	42.4	39.9
75.5°	35.5	37.7	41.0	44.3	45.9	47.7	47.8	44.5	42.5	40.2	37.7
76°	33.7	35.6	38.9	42.0	43.7	45.3	45.5	42.2	40.3	38.0	35.5
76.5°	31.8	33.8	36.8	39.9	41.4	43.1	43.3	40.1	38.1	35.8	33.4
77°	29.9	31.9	34.7	37.8	39.3	40.9	41.0	37.9	35.9	33.7	31.4
77.5°	28.0	30.0	32.7	35.6	37.3	38.7	38.8	35.7	33.9	31.7	29.3
78°	26.1	28.1	30.9	33.7	35.2	36.6	36.7	33.6	31.8	29.6	27.4
78.5°	24.4	26.2	29.0	31.8	33.1	34.5	34.5	31.6	29.8	27.7	25.5
79°	22.7	24.4	27.1	29.8	31.1	32.4	32.4	29.5	27.8	25.8	23.6
79.5°	21.0	22.8	25.2	27.9	29.1	30.4	30.4	27.6	26.0	23.9	21.8
80°	19.4	21.0	23.4	26.0	27.3	28.5	28.5	25.7	24.1	22.1	20.1
80.5°	17.7	19.4	21.7	24.1	25.5	26.5	26.5	23.8	22.3	20.3	18.4
81°	16.3	17.8	20.0	22.4	23.5	24.7	24.6	22.0	20.5	18.6	16.8
81.5°	14.8	16.3	18.4	20.6	21.8	22.9	22.9	20.2	18.8	16.9	15.1
82°	13.5	14.8	16.8	19.0	20.0	21.1	21.0	18.5	17.1	15.4	13.7
82.5°	12.2	13.5	15.4	17.4	18.4	19.5	19.4	16.9	15.5	13.8	12.1
83°	10.8	12.1	13.9	15.9	16.8	17.7	17.6	15.3	13.9	12.3	10.7
83.5°	9.6	10.8	12.5	14.3	15.2	16.2	16.1	13.8	12.5	10.9	9.5
84°	8.4	9.6	11.1	12.9	13.8	14.6	14.5	12.3	11.0	9.6	8.2
84.5°	7.3	8.3	9.8	11.5	12.2	13.1	13.0	10.8	9.7	8.3	7.0
85°	6.1	7.2	8.6	10.2	10.8	11.6	11.5	9.6	8.4	7.1	5.7
85.5°	5.0	6.0	7.4	8.8	9.6	10.3	10.3	8.3	7.2	5.8	4.5
86°	4.1	4.9	6.3	7.6	8.4	9.0	9.1	7.1	5.9	4.6	3.5
86.5°	3.3	4.0	5.1	6.4	7.2	7.8	7.8	5.8	4.6	3.6	2.6
87°	2.5	3.3	4.2	5.3	5.9	6.6	6.6	4.6	3.7	2.7	1.8
87.5°	1.8	2.5	3.3	4.3	4.7	5.4	5.3	3.6	2.8	1.9	1.2
88°	1.1	1.7	2.5	3.4	3.8	4.2	4.1	2.7	2.0	1.3	0.5
88.5°	0.3	1.1	1.8	2.6	2.9	3.3	3.1	1.9	1.3	0.5	0.1
89°	0.1	0.3	1.1	1.8	2.1	2.5	2.3	1.3	0.5	0.1	0.0
89.5°	0.0	0.1	0.3	1.1	1.3	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



TEST NUMBER: P895718
CATALOG NUMBER: RAWZC610-4000K

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: P895718
 CATALOG NUMBER: RAWZC610-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	515.8	515.8	515.8	515.8	515.8	515.8
0.5°	515.0	515.4	515.5	515.6	516.3	516.4
1°	514.5	515.0	515.1	515.4	516.1	516.2
1.5°	514.2	514.6	514.7	514.8	515.7	516.0
2°	513.6	514.1	514.1	514.4	515.4	515.6
2.5°	513.2	513.4	513.5	513.6	514.9	515.3
3°	512.5	512.8	512.7	513.1	514.4	514.8
3.5°	511.5	512.1	512.1	512.3	513.7	514.2
4°	511.1	511.3	511.2	511.6	512.9	513.6
4.5°	510.2	510.4	510.3	510.6	512.2	512.7
5°	509.4	509.5	509.4	509.6	511.3	512.2
5.5°	508.3	508.5	508.2	508.1	510.4	511.1
6°	507.3	507.3	507.1	507.4	509.3	510.3
6.5°	506.1	506.3	505.9	506.3	508.2	509.1
7°	504.9	504.9	504.7	505.0	507.0	508.1
7.5°	503.6	503.7	503.3	503.6	505.8	506.8
8°	502.3	502.3	501.9	502.2	504.4	505.7
8.5°	500.9	500.8	500.3	500.7	503.0	504.2
9°	499.5	499.3	498.9	499.1	501.5	502.8
9.5°	497.9	497.8	497.2	497.5	500.0	501.3
10°	496.4	496.2	495.6	495.8	498.3	499.7
10.5°	494.7	494.4	493.9	494.2	496.6	498.1
11°	493.0	492.7	492.1	492.3	494.8	496.4
11.5°	491.2	491.0	490.2	490.5	492.8	494.5
12°	489.4	489.0	488.3	488.4	491.1	492.6
12.5°	487.5	487.0	486.3	486.4	489.0	490.8
13°	485.0	485.0	484.3	484.3	487.1	488.6
13.5°	483.3	482.9	481.9	482.1	484.5	486.6
14°	481.2	480.9	479.8	479.9	482.6	484.3
14.5°	478.9	478.5	477.5	477.5	480.3	482.0
15°	476.7	476.2	475.2	475.1	477.9	479.7
15.5°	474.3	473.7	472.7	472.6	475.4	477.2
16°	472.0	471.4	470.1	469.9	472.9	474.7
16.5°	469.3	468.8	467.6	467.2	470.2	472.0
17°	466.8	466.3	464.8	464.4	467.6	469.4
17.5°	464.1	463.6	462.1	461.6	464.8	466.5
18°	461.4	460.7	459.2	458.6	461.8	463.6
18.5°	458.4	457.8	456.3	455.6	458.8	460.5
19°	455.7	454.8	453.1	452.2	455.8	457.6
19.5°	452.5	451.7	450.0	449.2	452.6	454.4
20°	449.5	448.6	446.8	445.7	449.3	451.3
20.5°	446.2	445.3	443.4	442.4	446.0	448.0
21°	443.0	442.1	440.1	438.9	442.4	444.5
21.5°	439.6	438.6	436.6	435.3	439.0	441.0
22°	436.3	435.2	433.0	431.8	435.4	437.3

TEST NUMBER: P895718
 CATALOG NUMBER: RAWZC610-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	433.0	431.6	429.5	428.2	431.8	433.8
23°	429.6	428.0	425.8	424.4	428.0	429.9
23.5°	425.8	424.3	422.1	420.7	424.1	426.3
24°	422.1	420.7	418.2	416.8	420.4	422.5
24.5°	418.5	416.9	414.5	412.9	416.5	418.6
25°	414.7	413.0	410.4	408.9	412.5	414.5
25.5°	410.9	409.0	406.6	404.9	408.5	410.7
26°	407.2	405.3	402.4	400.9	404.3	406.3
26.5°	403.1	401.2	398.1	396.7	400.2	402.4
27°	399.3	397.2	394.3	392.6	396.1	398.2
27.5°	395.1	393.0	390.1	388.4	392.0	393.9
28°	391.1	388.9	385.9	384.0	387.4	389.6
28.5°	387.0	384.7	381.7	379.7	383.2	385.3
29°	382.8	380.3	377.4	375.3	378.7	380.9
29.5°	378.5	376.2	373.1	371.1	374.5	376.5
30°	374.3	371.8	368.7	366.6	369.8	372.0
30.5°	370.0	367.5	364.3	362.2	365.5	367.6
31°	365.7	363.1	359.7	357.5	360.7	362.9
31.5°	361.3	358.8	355.3	353.0	356.3	358.3
32°	356.8	354.2	350.7	348.4	351.6	353.7
32.5°	352.5	349.7	346.2	343.8	347.2	349.1
33°	348.0	345.2	341.7	339.3	342.3	344.3
33.5°	343.4	340.8	337.0	334.6	337.8	339.8
34°	338.9	336.1	332.5	329.9	332.9	335.0
34.5°	334.4	331.5	327.7	325.2	328.5	330.3
35°	329.8	326.8	323.0	320.5	323.6	325.4
35.5°	325.2	322.4	318.4	315.9	318.8	320.7
36°	320.5	317.7	313.8	311.0	314.0	315.9
36.5°	316.1	313.0	309.1	306.4	309.4	311.1
37°	311.4	308.3	304.5	301.6	304.6	306.4
37.5°	306.9	303.7	299.8	296.9	299.8	301.6
38°	302.1	299.0	295.1	292.2	295.1	296.8
38.5°	297.6	294.5	290.3	287.4	290.3	292.0
39°	292.9	289.8	285.9	282.9	285.6	287.2
39.5°	288.4	285.2	281.1	278.1	280.9	282.5
40°	283.7	280.5	276.5	273.4	276.2	277.7
40.5°	279.0	275.9	271.8	268.8	271.4	273.0
41°	274.5	271.3	267.3	264.3	266.8	268.3
41.5°	269.8	266.6	262.5	259.6	262.1	263.5
42°	265.2	261.9	258.0	255.1	257.6	258.8
42.5°	260.7	257.5	253.4	250.6	252.9	254.2
43°	255.9	252.9	248.9	246.0	248.3	249.6
43.5°	251.4	248.3	244.2	241.4	243.6	244.9
44°	246.8	243.7	239.8	236.9	239.1	240.3
44.5°	242.2	239.2	235.1	232.3	234.5	235.8

TEST NUMBER: P895718
 CATALOG NUMBER: RAWZC610-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	237.7	234.6	230.7	227.8	230.1	231.0
45.5°	233.2	230.1	226.1	223.3	225.3	226.6
46°	228.5	225.6	221.8	218.8	220.9	222.0
46.5°	224.0	221.1	217.1	214.4	216.3	217.5
47°	219.5	216.7	212.7	210.0	212.1	213.0
47.5°	215.2	212.3	208.4	205.6	207.5	208.7
48°	210.7	207.8	204.1	201.2	203.1	204.2
48.5°	206.5	203.5	199.7	197.1	198.8	199.9
49°	202.0	199.3	195.4	192.8	194.6	195.6
49.5°	197.8	195.0	191.3	188.6	190.3	191.3
50°	193.5	190.8	187.2	184.5	186.2	187.2
50.5°	189.4	186.7	183.1	180.3	182.1	183.0
51°	185.2	182.5	179.0	176.2	178.0	178.9
51.5°	181.1	178.5	175.1	172.3	173.8	174.8
52°	177.1	174.5	171.0	168.3	170.0	170.8
52.5°	173.1	170.5	167.1	164.5	166.1	166.9
53°	169.1	166.6	163.2	160.6	162.2	162.9
53.5°	165.2	162.8	159.4	156.8	158.3	159.1
54°	161.4	159.0	155.6	153.0	154.5	155.3
54.5°	157.6	155.2	151.8	149.4	150.9	151.5
55°	153.9	151.5	148.2	145.6	147.2	148.0
55.5°	150.2	147.9	144.7	142.3	143.6	144.3
56°	146.5	144.3	141.0	138.6	140.1	140.8
56.5°	142.9	140.6	137.6	135.2	136.5	137.2
57°	139.3	137.1	134.0	131.6	133.1	133.7
57.5°	135.9	133.6	130.6	128.3	129.7	130.3
58°	132.5	130.2	127.2	125.0	126.3	126.9
58.5°	129.0	127.0	123.9	121.7	123.0	123.7
59°	125.7	123.6	120.7	118.4	119.8	120.4
59.5°	122.4	120.3	117.4	115.2	116.6	117.2
60°	119.0	117.1	114.2	112.1	113.4	114.1
60.5°	115.8	113.8	111.0	108.8	110.3	110.9
61°	112.6	110.6	107.9	105.8	107.2	107.8
61.5°	109.5	107.5	104.9	102.8	104.1	104.7
62°	106.4	104.6	101.9	99.8	101.2	101.8
62.5°	103.2	101.5	98.8	96.9	98.3	98.9
63°	100.2	98.5	95.9	93.9	95.3	96.0
63.5°	97.2	95.6	93.0	91.1	92.5	93.2
64°	94.3	92.6	90.1	88.3	89.7	90.3
64.5°	91.4	89.8	87.3	85.4	86.9	87.4
65°	88.5	87.0	84.5	82.8	84.1	84.7
65.5°	85.7	84.1	81.7	80.0	81.4	82.1
66°	82.9	81.3	79.0	77.4	78.6	79.4
66.5°	80.1	78.6	76.3	74.7	76.0	76.8
67°	77.4	75.9	73.7	72.0	73.5	74.2

TEST NUMBER: P895718
 CATALOG NUMBER: RAWZC610-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	74.6	73.3	71.1	69.5	70.9	71.7
68°	71.8	70.6	68.5	66.9	68.4	69.0
68.5°	69.1	68.0	65.9	64.5	65.9	66.6
69°	66.5	65.4	63.4	62.0	63.4	64.2
69.5°	63.9	62.8	61.0	59.5	61.0	61.8
70°	61.4	60.3	58.5	57.2	58.6	59.3
70.5°	58.8	57.7	56.2	54.8	56.3	57.0
71°	56.4	55.4	53.7	52.5	53.9	54.7
71.5°	53.8	53.0	51.4	50.2	51.6	52.5
72°	51.4	50.5	49.1	47.9	49.4	50.2
72.5°	49.0	48.2	46.8	45.7	47.3	48.0
73°	46.7	46.0	44.5	43.5	45.0	45.9
73.5°	44.4	43.7	42.3	41.3	42.9	43.7
74°	42.2	41.4	40.2	39.2	40.8	41.5
74.5°	40.0	39.3	38.1	37.1	38.7	39.5
75°	37.8	37.2	35.9	35.2	36.6	37.5
75.5°	35.6	35.1	34.4	33.2	34.7	35.5
76°	33.5	33.1	32.3	31.4	32.8	33.7
76.5°	31.5	31.2	30.2	29.4	31.0	31.8
77°	29.5	29.1	28.2	27.5	29.1	29.9
77.5°	27.5	27.2	26.1	25.6	27.2	28.0
78°	25.6	25.3	24.3	23.8	25.3	26.1
78.5°	23.7	23.4	22.5	22.0	23.6	24.4
79°	21.9	21.6	20.8	20.3	21.9	22.7
79.5°	20.1	19.9	19.1	18.7	20.1	21.0
80°	18.5	18.2	17.4	17.1	18.6	19.4
80.5°	16.8	16.6	15.9	15.6	17.0	17.7
81°	15.2	14.9	14.3	14.0	15.6	16.3
81.5°	13.7	13.4	12.8	12.7	14.1	14.8
82°	12.2	11.9	11.4	11.3	12.8	13.5
82.5°	10.7	10.6	10.1	10.0	11.4	12.2
83°	9.5	9.2	8.7	8.7	10.2	10.8
83.5°	8.2	7.8	7.5	7.5	8.9	9.6
84°	7.0	6.7	6.3	6.3	7.7	8.4
84.5°	5.8	5.5	5.1	5.1	6.5	7.3
85°	4.6	4.5	4.1	4.2	5.4	6.1
85.5°	3.5	3.4	3.2	3.2	4.4	5.0
86°	2.6	2.7	2.4	2.4	3.5	4.1
86.5°	1.9	1.9	1.6	1.6	2.7	3.3
87°	1.3	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: P895718
CATALOG NUMBER: RAWZC610-4000K

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)