

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: P895726

Luminaire Tested: **RLWZC409-6500K**

Issue Date: 11/14/2024

Tested By:

Approved By:



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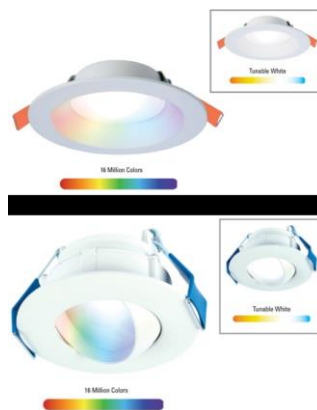
Test Information

Test Method: LM-79-08
 Report Number: P895726
 Test Lab:
 Issue Date: 11/14/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: RLWZC409-6500K
 Description: 4IN DM WiZ SELECTABLE CCT
 Light Source: WiZ SELECTABLE 90CRI / 6500K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 965.0 lumens
 Efficiency: N/A
 Efficacy: 92.8 lumens/watt
 Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.29
 Luminous Opening: Circular (Dia: 0.33' x H: 0')
 CIE Type: Direct

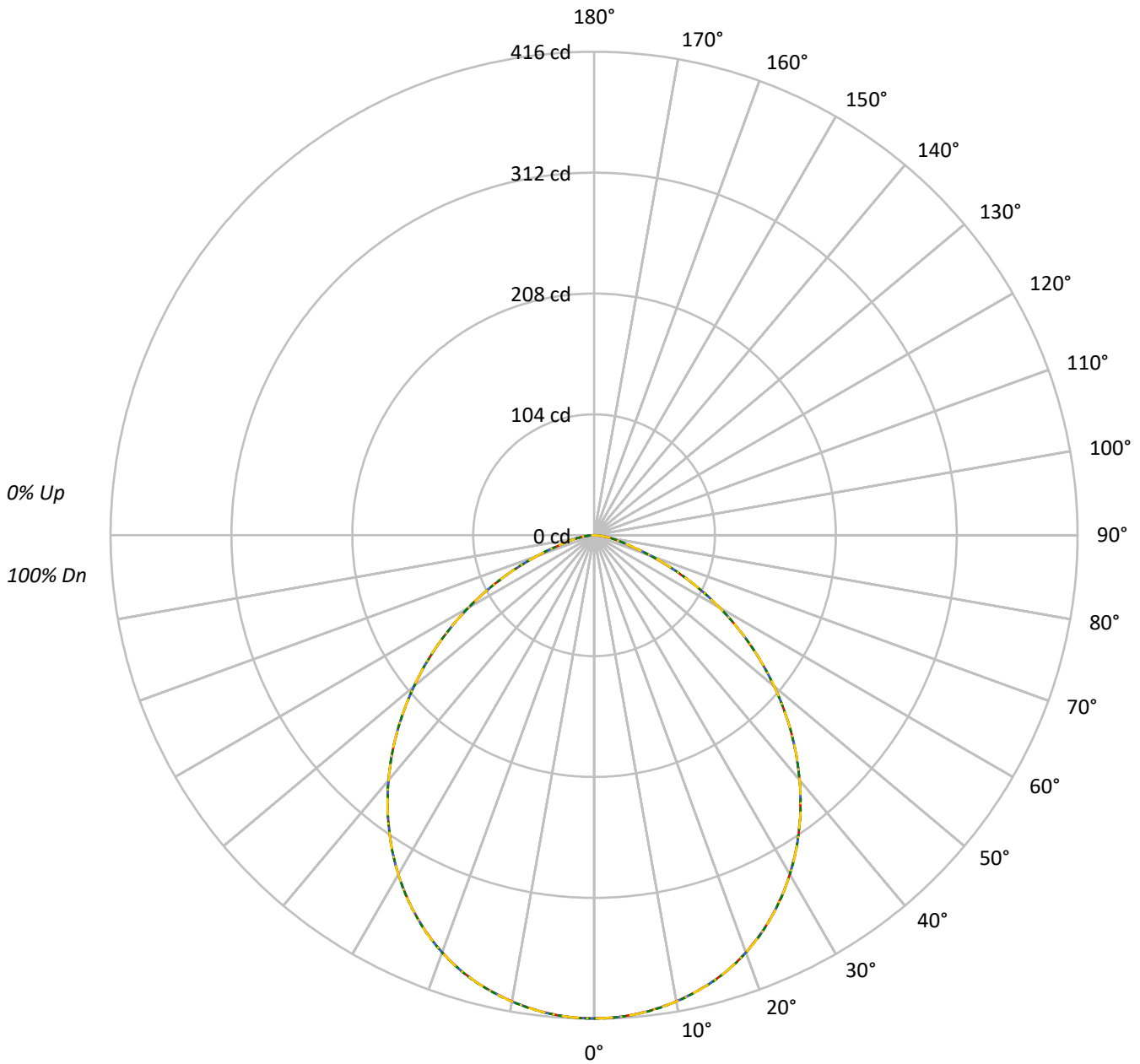
Input Watts (W): 10.4
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87	87	
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74	74	
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64	64	
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	56	
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49	49	
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43	43	
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38	38	
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34	34	
9	59	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31	31	
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	52328	52328	52328	52328
5°	52238	52276	52238	52276
10°	52037	52075	52037	52075
15°	51725	51751	51725	51751
20°	51147	51187	51147	51187
25°	50226	50253	50226	50253
30°	48943	48972	48943	48972
35°	47258	47289	47258	47289
40°	45211	45195	45211	45195
45°	42679	42679	42679	42679
50°	39608	39627	39608	39627
55°	35940	35984	35940	35984
60°	31387	31488	31387	31488
65°	25878	25967	25878	25967
70°	19208	19428	19208	19428
75°	13129	13615	13129	13615
80°	10726	10871	10726	10871
85°	7942	8231	7942	8231

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	4.1
10°-20°	112.0	11.6
20°-30°	166.5	17.2
30°-40°	192.2	19.9
40°-50°	184.6	19.1
50°-60°	146.2	15.2
60°-70°	86.4	9.0
70°-80°	31.3	3.2
80°-90°	6.6	0.7
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°	317.7	32.9
0°-40°	509.9	52.8
0°-60°	840.7	87.1
0°-90°	965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	416	416	416	416	416	
5°	414	414	414	414	414	39
15°	397	397	397	397	397	112
25°	362	362	362	362	362	166
35°	308	308	308	308	308	192
45°	240	240	240	240	240	185
55°	164	164	164	164	164	146
65°	87	87	87	87	87	86
75°	27	28	27	28	27	31
85°	6	6	6	6	6	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°	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8
0.5°	415.7	415.7	415.8	415.8	415.8	415.8	415.8	415.7	415.7	415.7	415.8
1°	415.6	415.6	415.7	415.7	415.8	415.7	415.7	415.6	415.6	415.6	415.7
1.5°	415.5	415.5	415.6	415.6	415.7	415.6	415.6	415.5	415.5	415.5	415.6
2°	415.3	415.4	415.4	415.4	415.5	415.4	415.4	415.4	415.3	415.4	415.4
2.5°	415.2	415.2	415.2	415.3	415.3	415.3	415.2	415.2	415.2	415.2	415.2
3°	414.9	415.0	415.0	415.0	415.1	415.0	415.0	415.0	414.9	415.0	415.0
3.5°	414.7	414.7	414.8	414.8	414.8	414.8	414.8	414.7	414.7	414.7	414.8
4°	414.4	414.4	414.4	414.4	414.5	414.4	414.4	414.4	414.4	414.4	414.4
4.5°	414.0	414.0	414.1	414.1	414.2	414.1	414.1	414.0	414.0	414.0	414.1
5°	413.5	413.6	413.7	413.7	413.8	413.7	413.7	413.6	413.5	413.6	413.7
5.5°	413.1	413.2	413.3	413.2	413.3	413.2	413.3	413.2	413.1	413.2	413.3
6°	412.6	412.7	412.8	412.8	412.9	412.8	412.8	412.7	412.6	412.7	412.8
6.5°	412.1	412.2	412.2	412.2	412.4	412.2	412.2	412.2	412.1	412.2	412.2
7°	411.4	411.5	411.6	411.6	411.8	411.6	411.6	411.5	411.4	411.5	411.6
7.5°	410.8	410.9	411.0	411.0	411.1	411.0	411.0	410.9	410.8	410.9	411.0
8°	410.2	410.3	410.3	410.3	410.5	410.3	410.3	410.3	410.2	410.3	410.3
8.5°	409.5	409.6	409.7	409.7	409.7	409.7	409.7	409.6	409.5	409.6	409.7
9°	408.8	408.9	408.9	409.0	409.0	409.0	408.9	408.9	408.8	408.9	408.9
9.5°	408.1	408.1	408.2	408.2	408.3	408.2	408.2	408.1	408.1	408.1	408.2
10°	407.2	407.3	407.4	407.4	407.5	407.4	407.4	407.3	407.2	407.3	407.4
10.5°	406.4	406.5	406.5	406.6	406.7	406.6	406.5	406.5	406.4	406.5	406.5
11°	405.5	405.6	405.7	405.7	405.8	405.7	405.7	405.6	405.5	405.6	405.7
11.5°	404.5	404.6	404.7	404.7	404.9	404.7	404.7	404.6	404.5	404.6	404.7
12°	403.6	403.6	403.7	403.7	403.8	403.7	403.7	403.6	403.6	403.6	403.7
12.5°	402.6	402.6	402.7	402.7	402.8	402.7	402.7	402.6	402.6	402.6	402.7
13°	401.6	401.6	401.7	401.7	401.8	401.7	401.7	401.6	401.6	401.6	401.7
13.5°	400.5	400.5	400.6	400.6	400.7	400.6	400.6	400.5	400.5	400.5	400.6
14°	399.4	399.4	399.5	399.6	399.6	399.6	399.5	399.4	399.4	399.4	399.5
14.5°	398.2	398.3	398.4	398.4	398.5	398.4	398.4	398.3	398.2	398.3	398.4
15°	397.0	397.0	397.1	397.1	397.2	397.1	397.1	397.0	397.0	397.0	397.1
15.5°	395.8	395.8	395.9	395.9	396.0	395.9	395.9	395.8	395.8	395.8	395.9
16°	394.5	394.5	394.6	394.6	394.7	394.6	394.6	394.5	394.5	394.5	394.6
16.5°	393.2	393.2	393.3	393.2	393.3	393.2	393.3	393.2	393.2	393.2	393.3
17°	391.8	391.9	391.9	391.8	391.9	391.8	391.9	391.9	391.8	391.9	391.9
17.5°	390.2	390.3	390.3	390.3	390.3	390.3	390.3	390.3	390.2	390.3	390.3
18°	388.7	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.7	388.8	388.8
18.5°	387.1	387.2	387.2	387.2	387.3	387.2	387.2	387.2	387.1	387.2	387.2
19°	385.4	385.5	385.6	385.6	385.7	385.6	385.6	385.5	385.4	385.5	385.6
19.5°	383.7	383.7	383.8	383.8	383.9	383.8	383.8	383.7	383.7	383.7	383.8
20°	381.9	382.0	382.1	382.1	382.2	382.1	382.1	382.0	381.9	382.0	382.1
20.5°	380.1	380.2	380.3	380.3	380.4	380.3	380.3	380.2	380.1	380.2	380.3
21°	378.3	378.3	378.5	378.4	378.5	378.4	378.5	378.3	378.3	378.3	378.5
21.5°	376.3	376.4	376.5	376.4	376.5	376.4	376.5	376.4	376.3	376.4	376.5
22°	374.4	374.5	374.6	374.5	374.7	374.5	374.6	374.5	374.4	374.5	374.6

TEST NUMBER: P895726
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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°	372.4	372.5	372.6	372.6	372.7	372.6	372.6	372.5	372.4	372.5	372.6
23°	370.4	370.5	370.6	370.6	370.7	370.6	370.6	370.5	370.4	370.5	370.6
23.5°	368.3	368.3	368.4	368.4	368.5	368.4	368.4	368.3	368.3	368.3	368.4
24°	366.1	366.2	366.3	366.3	366.4	366.3	366.3	366.2	366.1	366.2	366.3
24.5°	363.9	364.0	364.1	364.1	364.3	364.1	364.1	364.0	363.9	364.0	364.1
25°	361.7	361.7	361.8	361.8	361.9	361.8	361.8	361.7	361.7	361.7	361.8
25.5°	359.4	359.5	359.6	359.6	359.6	359.6	359.6	359.5	359.4	359.5	359.6
26°	357.1	357.2	357.3	357.3	357.4	357.3	357.3	357.2	357.1	357.2	357.3
26.5°	354.7	354.7	354.8	354.8	354.9	354.8	354.8	354.7	354.7	354.7	354.8
27°	352.3	352.3	352.5	352.4	352.6	352.4	352.5	352.3	352.3	352.3	352.5
27.5°	349.8	349.9	350.0	350.0	350.1	350.0	350.0	349.9	349.8	349.9	350.0
28°	347.3	347.3	347.4	347.4	347.5	347.4	347.4	347.3	347.3	347.3	347.4
28.5°	344.8	344.8	344.9	344.8	345.0	344.8	344.9	344.8	344.8	344.8	344.9
29°	342.1	342.1	342.2	342.2	342.3	342.2	342.2	342.1	342.1	342.1	342.2
29.5°	339.5	339.5	339.6	339.6	339.7	339.6	339.6	339.5	339.5	339.5	339.6
30°	336.8	336.9	337.0	336.9	337.0	336.9	337.0	336.9	336.8	336.9	337.0
30.5°	334.0	334.1	334.2	334.1	334.2	334.1	334.2	334.1	334.0	334.1	334.2
31°	331.3	331.3	331.4	331.4	331.5	331.4	331.4	331.3	331.3	331.3	331.4
31.5°	328.4	328.5	328.5	328.5	328.5	328.5	328.5	328.5	328.4	328.5	328.5
32°	325.6	325.6	325.7	325.6	325.7	325.6	325.7	325.6	325.6	325.6	325.7
32.5°	322.8	322.8	322.9	322.8	322.9	322.8	322.9	322.8	322.8	322.8	322.9
33°	319.8	319.8	319.9	319.8	319.9	319.8	319.9	319.8	319.8	319.8	319.9
33.5°	316.9	316.9	317.0	316.9	317.0	316.9	317.0	316.9	316.9	316.9	317.0
34°	313.8	313.8	313.9	313.8	313.9	313.8	313.9	313.8	313.8	313.8	313.9
34.5°	310.8	310.8	310.9	310.8	310.9	310.8	310.9	310.8	310.8	310.8	310.9
35°	307.6	307.7	307.7	307.7	307.8	307.7	307.7	307.7	307.6	307.7	307.7
35.5°	304.6	304.6	304.7	304.6	304.7	304.6	304.7	304.6	304.6	304.6	304.7
36°	301.6	301.5	301.6	301.5	301.6	301.5	301.6	301.5	301.6	301.5	301.6
36.5°	298.3	298.3	298.4	298.3	298.3	298.3	298.4	298.3	298.3	298.3	298.4
37°	295.1	295.1	295.2	295.1	295.2	295.1	295.2	295.1	295.1	295.1	295.2
37.5°	291.8	291.9	291.9	291.8	291.8	291.8	291.9	291.9	291.8	291.9	291.9
38°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
38.5°	285.2	285.3	285.3	285.2	285.2	285.2	285.3	285.3	285.2	285.3	285.3
39°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0
39.5°	278.5	278.6	278.6	278.5	278.6	278.5	278.6	278.6	278.5	278.6	278.6
40°	275.2	275.2	275.2	275.1	275.1	275.1	275.2	275.2	275.2	275.2	275.2
40.5°	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7
41°	268.3	268.3	268.3	268.3	268.2	268.3	268.3	268.3	268.3	268.3	268.3
41.5°	264.8	264.8	264.8	264.7	264.8	264.7	264.8	264.8	264.8	264.8	264.8
42°	261.3	261.3	261.3	261.3	261.3	261.3	261.3	261.3	261.3	261.3	261.3
42.5°	257.8	257.8	257.8	257.7	257.7	257.7	257.8	257.8	257.8	257.8	257.8
43°	254.2	254.3	254.3	254.2	254.3	254.2	254.3	254.3	254.2	254.3	254.3
43.5°	250.6	250.6	250.7	250.6	250.6	250.6	250.7	250.6	250.6	250.6	250.7
44°	247.0	247.1	247.1	247.0	247.0	247.0	247.1	247.1	247.0	247.1	247.1
44.5°	243.4	243.4	243.5	243.3	243.3	243.3	243.5	243.4	243.4	243.4	243.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	239.8	239.8	239.9	239.7	239.8	239.7	239.9	239.8	239.8	239.8	239.9
45.5°	236.2	236.1	236.2	236.1	236.1	236.1	236.2	236.1	236.2	236.1	236.2
46°	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5
46.5°	228.7	228.8	228.8	228.7	228.7	228.7	228.8	228.8	228.7	228.8	228.8
47°	225.0	225.1	225.1	225.0	225.1	225.0	225.1	225.1	225.0	225.1	225.1
47.5°	221.3	221.3	221.3	221.2	221.3	221.2	221.3	221.3	221.3	221.3	221.3
48°	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5
48.5°	213.8	213.8	213.8	213.7	213.8	213.7	213.8	213.8	213.8	213.8	213.8
49°	209.9	210.0	210.0	210.0	210.0	210.0	210.0	210.0	209.9	210.0	210.0
49.5°	206.2	206.2	206.3	206.2	206.3	206.2	206.3	206.2	206.2	206.2	206.3
50°	202.3	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.3	202.4	202.4
50.5°	198.6	198.6	198.7	198.6	198.6	198.6	198.7	198.6	198.6	198.6	198.7
51°	194.7	194.7	194.8	194.7	194.8	194.7	194.8	194.7	194.7	194.7	194.8
51.5°	191.0	190.9	191.0	190.9	191.0	190.9	191.0	190.9	191.0	190.9	191.0
52°	187.1	187.1	187.1	187.1	187.2	187.1	187.1	187.1	187.1	187.1	187.1
52.5°	183.2	183.1	183.2	183.2	183.2	183.2	183.2	183.1	183.2	183.1	183.2
53°	179.3	179.3	179.4	179.4	179.4	179.4	179.4	179.3	179.3	179.3	179.4
53.5°	175.4	175.4	175.4	175.4	175.5	175.4	175.4	175.4	175.4	175.4	175.4
54°	171.5	171.6	171.6	171.6	171.7	171.6	171.6	171.6	171.5	171.6	171.6
54.5°	167.6	167.6	167.7	167.7	167.8	167.7	167.7	167.6	167.6	167.6	167.7
55°	163.8	163.8	163.9	163.9	164.0	163.9	163.9	163.8	163.8	163.8	163.9
55.5°	159.8	159.9	159.9	159.9	160.0	159.9	159.9	159.9	159.8	159.9	159.9
56°	156.0	156.0	156.1	156.1	156.1	156.1	156.1	156.0	156.0	156.0	156.1
56.5°	152.1	152.1	152.2	152.2	152.2	152.2	152.2	152.1	152.1	152.1	152.2
57°	148.1	148.2	148.2	148.2	148.3	148.2	148.2	148.2	148.1	148.2	148.2
57.5°	144.3	144.3	144.3	144.4	144.5	144.4	144.3	144.3	144.3	144.3	144.3
58°	140.4	140.4	140.4	140.5	140.5	140.5	140.4	140.4	140.4	140.4	140.4
58.5°	136.5	136.5	136.6	136.6	136.7	136.6	136.6	136.5	136.5	136.5	136.6
59°	132.5	132.6	132.6	132.7	132.8	132.7	132.6	132.6	132.5	132.6	132.6
59.5°	128.7	128.8	128.8	128.9	129.0	128.9	128.8	128.8	128.7	128.8	128.8
60°	124.7	124.8	124.9	125.0	125.1	125.0	124.9	124.8	124.7	124.8	124.9
60.5°	120.8	120.9	121.0	121.2	121.3	121.2	121.0	120.9	120.8	120.9	121.0
61°	117.0	117.1	117.2	117.2	117.3	117.2	117.2	117.1	117.0	117.1	117.2
61.5°	113.1	113.2	113.3	113.4	113.5	113.4	113.3	113.2	113.1	113.2	113.3
62°	109.4	109.4	109.5	109.6	109.7	109.6	109.5	109.4	109.4	109.4	109.5
62.5°	105.5	105.6	105.7	105.8	105.8	105.8	105.7	105.6	105.5	105.6	105.7
63°	101.7	101.8	101.9	102.0	102.1	102.0	101.9	101.8	101.7	101.8	101.9
63.5°	97.9	97.9	98.1	98.2	98.3	98.2	98.1	97.9	97.9	97.9	98.1
64°	94.2	94.3	94.4	94.5	94.6	94.5	94.4	94.3	94.2	94.3	94.4
64.5°	90.4	90.6	90.7	90.8	90.9	90.8	90.7	90.6	90.4	90.6	90.7
65°	86.9	86.9	87.1	87.1	87.2	87.1	87.1	86.9	86.9	86.9	87.1
65.5°	83.1	83.2	83.3	83.4	83.5	83.4	83.3	83.2	83.1	83.2	83.3
66°	79.4	79.5	79.8	79.8	79.9	79.8	79.8	79.5	79.4	79.5	79.8
66.5°	75.9	76.0	76.1	76.2	76.3	76.2	76.1	76.0	75.9	76.0	76.1
67°	72.3	72.4	72.5	72.6	72.9	72.6	72.5	72.4	72.3	72.4	72.5

TEST NUMBER: P895726
 CATALOG NUMBER: RLWZC409-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	68.9	68.9	69.1	69.2	69.3	69.2	69.1	68.9	68.9	68.9	69.1
68°	65.3	65.4	65.6	65.8	66.0	65.8	65.6	65.4	65.3	65.4	65.6
68.5°	62.0	62.1	62.3	62.3	62.5	62.3	62.3	62.1	62.0	62.1	62.3
69°	58.6	58.7	59.0	59.1	59.3	59.1	59.0	58.7	58.6	58.7	59.0
69.5°	55.4	55.5	55.7	55.8	55.9	55.8	55.7	55.5	55.4	55.5	55.7
70°	52.2	52.3	52.6	52.7	52.8	52.7	52.6	52.3	52.2	52.3	52.6
70.5°	49.1	49.2	49.4	49.5	49.7	49.5	49.4	49.2	49.1	49.2	49.4
71°	46.2	46.3	46.5	46.6	46.8	46.6	46.5	46.3	46.2	46.3	46.5
71.5°	43.2	43.3	43.6	43.7	44.1	43.7	43.6	43.3	43.2	43.3	43.6
72°	40.5	40.6	40.9	41.0	41.4	41.0	40.9	40.6	40.5	40.6	40.9
72.5°	37.9	38.0	38.4	38.4	38.9	38.4	38.4	38.0	37.9	38.0	38.4
73°	35.5	35.6	35.7	35.8	36.2	35.8	35.7	35.6	35.5	35.6	35.7
73.5°	33.1	33.2	33.4	33.5	33.8	33.5	33.4	33.2	33.1	33.2	33.4
74°	30.8	31.0	31.3	31.5	31.7	31.5	31.3	31.0	30.8	31.0	31.3
74.5°	28.8	29.0	29.3	29.6	29.7	29.6	29.3	29.0	28.8	29.0	29.3
75°	27.0	27.1	27.4	27.8	28.0	27.8	27.4	27.1	27.0	27.1	27.4
75.5°	25.5	25.5	25.6	26.1	26.2	26.1	25.6	25.5	25.5	25.5	25.6
76°	23.9	23.9	24.0	24.4	24.6	24.4	24.0	23.9	23.9	23.9	24.0
76.5°	22.5	22.6	22.7	22.8	23.0	22.8	22.7	22.6	22.5	22.6	22.7
77°	21.2	21.3	21.5	21.5	21.6	21.5	21.5	21.3	21.2	21.3	21.5
77.5°	20.1	20.1	20.3	20.3	20.3	20.3	20.3	20.1	20.1	20.1	20.3
78°	19.0	19.0	19.1	19.2	19.2	19.2	19.1	19.0	19.0	19.0	19.1
78.5°	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.0	18.0	18.0	18.1
79°	16.9	16.9	16.9	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.9
79.5°	15.8	15.9	15.9	16.0	16.0	16.0	15.9	15.9	15.8	15.9	15.9
80°	14.8	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.9	14.9
80.5°	13.9	13.9	13.9	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9
81°	12.9	12.9	13.0	13.0	13.0	13.0	13.0	12.9	12.9	12.9	13.0
81.5°	11.9	12.0	12.0	12.0	12.1	12.0	12.0	12.0	11.9	12.0	12.0
82°	11.0	11.0	11.0	11.1	11.1	11.1	11.0	11.0	11.0	11.0	11.0
82.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
83°	9.0	9.0	9.1	9.2	9.2	9.2	9.1	9.0	9.0	9.0	9.1
83.5°	8.1	8.1	8.2	8.2	8.3	8.2	8.2	8.1	8.1	8.1	8.2
84°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.3	7.3
84.5°	6.4	6.4	6.4	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.4
85°	5.5	5.5	5.6	5.6	5.7	5.6	5.6	5.5	5.5	5.5	5.6
85.5°	4.6	4.7	4.8	4.8	4.9	4.8	4.8	4.7	4.6	4.7	4.8
86°	3.8	3.9	3.9	4.0	4.1	4.0	3.9	3.9	3.8	3.9	3.9
86.5°	2.9	3.0	3.0	3.1	3.2	3.1	3.0	3.0	2.9	3.0	3.0
87°	2.2	2.2	2.3	2.4	2.5	2.4	2.3	2.2	2.2	2.2	2.3
87.5°	1.5	1.5	1.7	1.8	1.9	1.8	1.7	1.5	1.5	1.5	1.7
88°	0.8	1.0	1.2	1.4	1.6	1.4	1.2	1.0	0.8	1.0	1.2
88.5°	0.4	0.5	0.7	1.0	1.2	1.0	0.7	0.5	0.4	0.5	0.7
89°	0.2	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.2	0.2	0.4
89.5°	0.0	0.1	0.2	0.3	0.4	0.3	0.2	0.1	0.0	0.1	0.2

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



TEST NUMBER: P895726
CATALOG NUMBER: RLWZC409-6500K

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: P895726
 CATALOG NUMBER: RLWZC409-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	415.8	415.8	415.8	415.8	415.8	415.8
0.5°	415.8	415.8	415.8	415.8	415.7	415.7
1°	415.7	415.8	415.7	415.7	415.6	415.6
1.5°	415.6	415.7	415.6	415.6	415.5	415.5
2°	415.4	415.5	415.4	415.4	415.4	415.3
2.5°	415.3	415.3	415.3	415.2	415.2	415.2
3°	415.0	415.1	415.0	415.0	415.0	414.9
3.5°	414.8	414.8	414.8	414.8	414.7	414.7
4°	414.4	414.5	414.4	414.4	414.4	414.4
4.5°	414.1	414.2	414.1	414.1	414.0	414.0
5°	413.7	413.8	413.7	413.7	413.6	413.5
5.5°	413.2	413.3	413.2	413.3	413.2	413.1
6°	412.8	412.9	412.8	412.8	412.7	412.6
6.5°	412.2	412.4	412.2	412.2	412.2	412.1
7°	411.6	411.8	411.6	411.6	411.5	411.4
7.5°	411.0	411.1	411.0	411.0	410.9	410.8
8°	410.3	410.5	410.3	410.3	410.3	410.2
8.5°	409.7	409.7	409.7	409.7	409.6	409.5
9°	409.0	409.0	409.0	408.9	408.9	408.8
9.5°	408.2	408.3	408.2	408.2	408.1	408.1
10°	407.4	407.5	407.4	407.4	407.3	407.2
10.5°	406.6	406.7	406.6	406.5	406.5	406.4
11°	405.7	405.8	405.7	405.7	405.6	405.5
11.5°	404.7	404.9	404.7	404.7	404.6	404.5
12°	403.7	403.8	403.7	403.7	403.6	403.6
12.5°	402.7	402.8	402.7	402.7	402.6	402.6
13°	401.7	401.8	401.7	401.7	401.6	401.6
13.5°	400.6	400.7	400.6	400.6	400.5	400.5
14°	399.6	399.6	399.6	399.5	399.4	399.4
14.5°	398.4	398.5	398.4	398.4	398.3	398.2
15°	397.1	397.2	397.1	397.1	397.0	397.0
15.5°	395.9	396.0	395.9	395.9	395.8	395.8
16°	394.6	394.7	394.6	394.6	394.5	394.5
16.5°	393.2	393.3	393.2	393.3	393.2	393.2
17°	391.8	391.9	391.8	391.9	391.9	391.8
17.5°	390.3	390.3	390.3	390.3	390.3	390.2
18°	388.8	388.8	388.8	388.8	388.8	388.7
18.5°	387.2	387.3	387.2	387.2	387.2	387.1
19°	385.6	385.7	385.6	385.6	385.5	385.4
19.5°	383.8	383.9	383.8	383.8	383.7	383.7
20°	382.1	382.2	382.1	382.1	382.0	381.9
20.5°	380.3	380.4	380.3	380.3	380.2	380.1
21°	378.4	378.5	378.4	378.5	378.3	378.3
21.5°	376.4	376.5	376.4	376.5	376.4	376.3
22°	374.5	374.7	374.5	374.6	374.5	374.4

TEST NUMBER: P895726
 CATALOG NUMBER: RLWZC409-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	372.6	372.7	372.6	372.6	372.5	372.4
23°	370.6	370.7	370.6	370.6	370.5	370.4
23.5°	368.4	368.5	368.4	368.4	368.3	368.3
24°	366.3	366.4	366.3	366.3	366.2	366.1
24.5°	364.1	364.3	364.1	364.1	364.0	363.9
25°	361.8	361.9	361.8	361.8	361.7	361.7
25.5°	359.6	359.6	359.6	359.6	359.5	359.4
26°	357.3	357.4	357.3	357.3	357.2	357.1
26.5°	354.8	354.9	354.8	354.8	354.7	354.7
27°	352.4	352.6	352.4	352.5	352.3	352.3
27.5°	350.0	350.1	350.0	350.0	349.9	349.8
28°	347.4	347.5	347.4	347.4	347.3	347.3
28.5°	344.8	345.0	344.8	344.9	344.8	344.8
29°	342.2	342.3	342.2	342.2	342.1	342.1
29.5°	339.6	339.7	339.6	339.6	339.5	339.5
30°	336.9	337.0	336.9	337.0	336.9	336.8
30.5°	334.1	334.2	334.1	334.2	334.1	334.0
31°	331.4	331.5	331.4	331.4	331.3	331.3
31.5°	328.5	328.5	328.5	328.5	328.5	328.4
32°	325.6	325.7	325.6	325.7	325.6	325.6
32.5°	322.8	322.9	322.8	322.9	322.8	322.8
33°	319.8	319.9	319.8	319.9	319.8	319.8
33.5°	316.9	317.0	316.9	317.0	316.9	316.9
34°	313.8	313.9	313.8	313.9	313.8	313.8
34.5°	310.8	310.9	310.8	310.9	310.8	310.8
35°	307.7	307.8	307.7	307.7	307.7	307.6
35.5°	304.6	304.7	304.6	304.7	304.6	304.6
36°	301.5	301.6	301.5	301.6	301.5	301.6
36.5°	298.3	298.3	298.3	298.4	298.3	298.3
37°	295.1	295.2	295.1	295.2	295.1	295.1
37.5°	291.8	291.8	291.8	291.9	291.9	291.8
38°	288.6	288.6	288.6	288.6	288.6	288.6
38.5°	285.2	285.2	285.2	285.3	285.3	285.2
39°	282.0	282.0	282.0	282.0	282.0	282.0
39.5°	278.5	278.6	278.5	278.6	278.6	278.5
40°	275.1	275.1	275.1	275.2	275.2	275.2
40.5°	271.7	271.7	271.7	271.7	271.7	271.7
41°	268.3	268.2	268.3	268.3	268.3	268.3
41.5°	264.7	264.8	264.7	264.8	264.8	264.8
42°	261.3	261.3	261.3	261.3	261.3	261.3
42.5°	257.7	257.7	257.7	257.8	257.8	257.8
43°	254.2	254.3	254.2	254.3	254.3	254.2
43.5°	250.6	250.6	250.6	250.7	250.6	250.6
44°	247.0	247.0	247.0	247.1	247.1	247.0
44.5°	243.3	243.3	243.3	243.5	243.4	243.4

TEST NUMBER: P895726
 CATALOG NUMBER: RLWZC409-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	239.7	239.8	239.7	239.9	239.8	239.8
45.5°	236.1	236.1	236.1	236.2	236.1	236.2
46°	232.5	232.5	232.5	232.5	232.5	232.5
46.5°	228.7	228.7	228.7	228.8	228.8	228.7
47°	225.0	225.1	225.0	225.1	225.1	225.0
47.5°	221.2	221.3	221.2	221.3	221.3	221.3
48°	217.5	217.5	217.5	217.5	217.5	217.5
48.5°	213.7	213.8	213.7	213.8	213.8	213.8
49°	210.0	210.0	210.0	210.0	210.0	209.9
49.5°	206.2	206.3	206.2	206.3	206.2	206.2
50°	202.4	202.4	202.4	202.4	202.4	202.3
50.5°	198.6	198.6	198.6	198.7	198.6	198.6
51°	194.7	194.8	194.7	194.8	194.7	194.7
51.5°	190.9	191.0	190.9	191.0	190.9	191.0
52°	187.1	187.2	187.1	187.1	187.1	187.1
52.5°	183.2	183.2	183.2	183.2	183.1	183.2
53°	179.4	179.4	179.4	179.4	179.3	179.3
53.5°	175.4	175.5	175.4	175.4	175.4	175.4
54°	171.6	171.7	171.6	171.6	171.6	171.5
54.5°	167.7	167.8	167.7	167.7	167.6	167.6
55°	163.9	164.0	163.9	163.9	163.8	163.8
55.5°	159.9	160.0	159.9	159.9	159.9	159.8
56°	156.1	156.1	156.1	156.1	156.0	156.0
56.5°	152.2	152.2	152.2	152.2	152.1	152.1
57°	148.2	148.3	148.2	148.2	148.2	148.1
57.5°	144.4	144.5	144.4	144.3	144.3	144.3
58°	140.5	140.5	140.5	140.4	140.4	140.4
58.5°	136.6	136.7	136.6	136.6	136.5	136.5
59°	132.7	132.8	132.7	132.6	132.6	132.5
59.5°	128.9	129.0	128.9	128.8	128.8	128.7
60°	125.0	125.1	125.0	124.9	124.8	124.7
60.5°	121.2	121.3	121.2	121.0	120.9	120.8
61°	117.2	117.3	117.2	117.2	117.1	117.0
61.5°	113.4	113.5	113.4	113.3	113.2	113.1
62°	109.6	109.7	109.6	109.5	109.4	109.4
62.5°	105.8	105.8	105.8	105.7	105.6	105.5
63°	102.0	102.1	102.0	101.9	101.8	101.7
63.5°	98.2	98.3	98.2	98.1	97.9	97.9
64°	94.5	94.6	94.5	94.4	94.3	94.2
64.5°	90.8	90.9	90.8	90.7	90.6	90.4
65°	87.1	87.2	87.1	87.1	86.9	86.9
65.5°	83.4	83.5	83.4	83.3	83.2	83.1
66°	79.8	79.9	79.8	79.8	79.5	79.4
66.5°	76.2	76.3	76.2	76.1	76.0	75.9
67°	72.6	72.9	72.6	72.5	72.4	72.3

TEST NUMBER: P895726
 CATALOG NUMBER: RLWZC409-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	69.2	69.3	69.2	69.1	68.9	68.9
68°	65.8	66.0	65.8	65.6	65.4	65.3
68.5°	62.3	62.5	62.3	62.3	62.1	62.0
69°	59.1	59.3	59.1	59.0	58.7	58.6
69.5°	55.8	55.9	55.8	55.7	55.5	55.4
70°	52.7	52.8	52.7	52.6	52.3	52.2
70.5°	49.5	49.7	49.5	49.4	49.2	49.1
71°	46.6	46.8	46.6	46.5	46.3	46.2
71.5°	43.7	44.1	43.7	43.6	43.3	43.2
72°	41.0	41.4	41.0	40.9	40.6	40.5
72.5°	38.4	38.9	38.4	38.4	38.0	37.9
73°	35.8	36.2	35.8	35.7	35.6	35.5
73.5°	33.5	33.8	33.5	33.4	33.2	33.1
74°	31.5	31.7	31.5	31.3	31.0	30.8
74.5°	29.6	29.7	29.6	29.3	29.0	28.8
75°	27.8	28.0	27.8	27.4	27.1	27.0
75.5°	26.1	26.2	26.1	25.6	25.5	25.5
76°	24.4	24.6	24.4	24.0	23.9	23.9
76.5°	22.8	23.0	22.8	22.7	22.6	22.5
77°	21.5	21.6	21.5	21.5	21.3	21.2
77.5°	20.3	20.3	20.3	20.3	20.1	20.1
78°	19.2	19.2	19.2	19.1	19.0	19.0
78.5°	18.1	18.1	18.1	18.1	18.0	18.0
79°	17.0	17.0	17.0	16.9	16.9	16.9
79.5°	16.0	16.0	16.0	15.9	15.9	15.8
80°	15.0	15.0	15.0	14.9	14.9	14.8
80.5°	14.0	14.0	14.0	13.9	13.9	13.9
81°	13.0	13.0	13.0	13.0	12.9	12.9
81.5°	12.0	12.1	12.0	12.0	12.0	11.9
82°	11.1	11.1	11.1	11.0	11.0	11.0
82.5°	10.0	10.0	10.0	10.0	10.0	10.0
83°	9.2	9.2	9.2	9.1	9.0	9.0
83.5°	8.2	8.3	8.2	8.2	8.1	8.1
84°	7.3	7.3	7.3	7.3	7.3	7.2
84.5°	6.5	6.5	6.5	6.4	6.4	6.4
85°	5.6	5.7	5.6	5.6	5.5	5.5
85.5°	4.8	4.9	4.8	4.8	4.7	4.6
86°	4.0	4.1	4.0	3.9	3.9	3.8
86.5°	3.1	3.2	3.1	3.0	3.0	2.9
87°	2.4	2.5	2.4	2.3	2.2	2.2
87.5°	1.8	1.9	1.8	1.7	1.5	1.5
88°	1.4	1.6	1.4	1.2	1.0	0.8
88.5°	1.0	1.2	1.0	0.7	0.5	0.4
89°	0.6	0.7	0.6	0.4	0.2	0.2
89.5°	0.3	0.4	0.3	0.2	0.1	0.0

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



TEST NUMBER: P895726
CATALOG NUMBER: RLWZC409-6500K

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)