

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: P895721

Luminaire Tested: **RLWZC409-2700K**

Issue Date: 11/14/2024

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

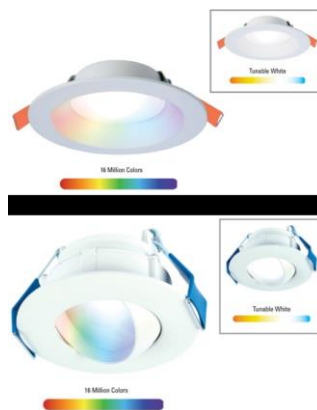
Test Information

Test Method: LM-79-08
 Report Number: P895721
 Test Lab:
 Issue Date: 11/14/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: RLWZC409-2700K
 Description: 4IN DM WiZ SELECTABLE CCT
 Light Source: WiZ SELECTABLE 90CRI / 2700K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 935.0 lumens
 Efficiency: N/A
 Efficacy: 89.9 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

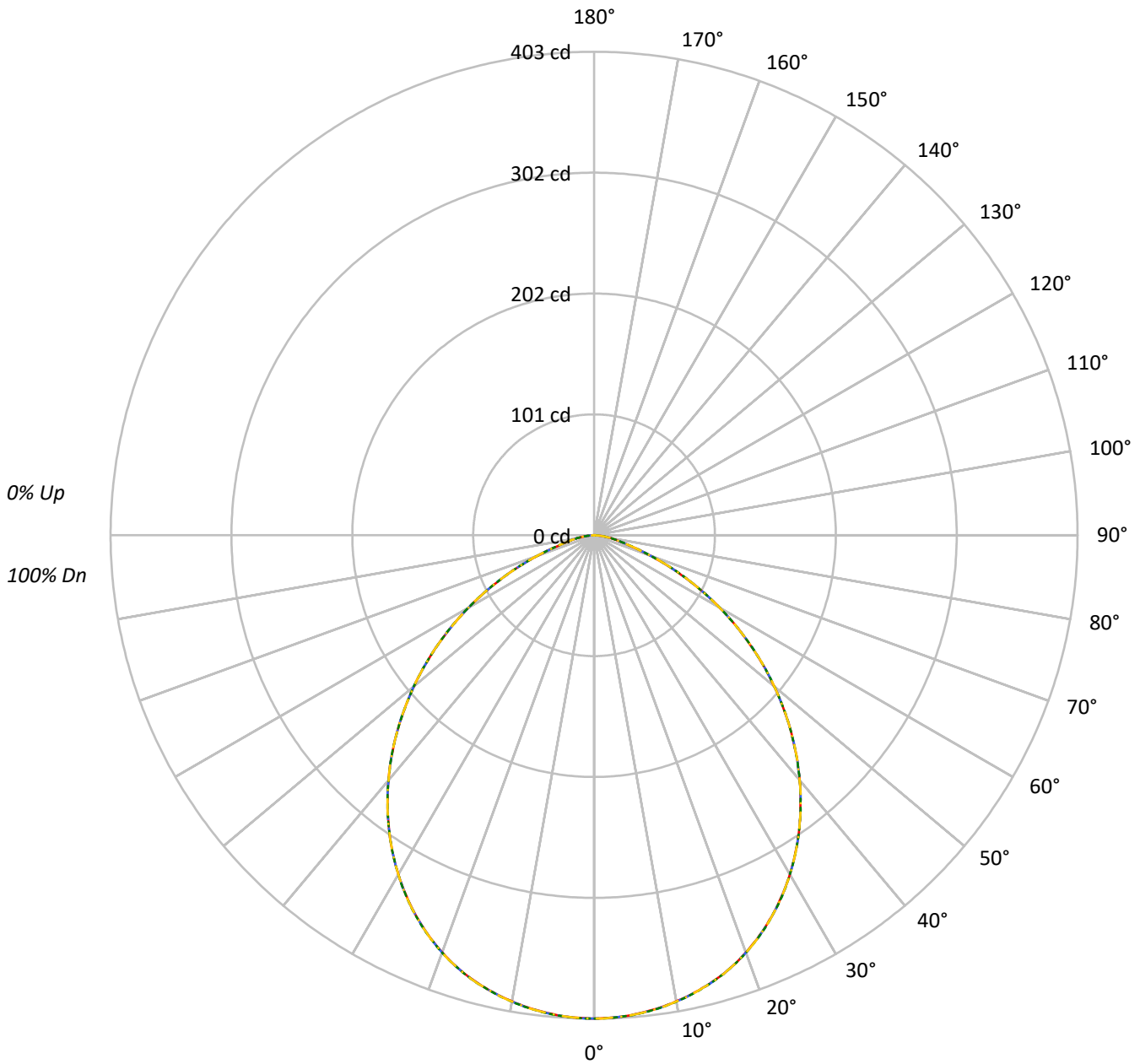
Input Watts (W): 10.4
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



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

TEST NUMBER: P895721
CATALOG NUMBER: RLWZC409-2700K

Luminous Intensity Polar Plot



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

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	89	89	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	76	76	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	66	66	66	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	58	58	58	56
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	51	51	51	49
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	45	45	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	40	40	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	36	36	36	34
9	59	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	33	33	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	30	30	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	50705	50705	50705	50705
5°	50608	50646	50608	50646
10°	50414	50452	50414	50452
15°	50122	50148	50122	50148
20°	49553	49593	49553	49593
25°	48670	48698	48670	48698
30°	47418	47447	47418	47447
35°	45798	45829	45798	45829
40°	43798	43782	43798	43782
45°	41344	41344	41344	41344
50°	38374	38394	38374	38394
55°	34821	34865	34821	34865
60°	30405	30506	30405	30506
65°	25074	25133	25074	25133
70°	18582	18803	18582	18803
75°	12740	13177	12740	13177
80°	10436	10581	10436	10581
85°	7653	7942	7653	7942

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	4.1
10°-20°	108.5	11.6
20°-30°	161.3	17.2
30°-40°	186.2	19.9
40°-50°	178.9	19.1
50°-60°	141.7	15.2
60°-70°	83.7	9.0
70°-80°	30.3	3.2
80°-90°	6.4	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°	307.8	32.9
0°-40°	494.0	52.8
0°-60°	814.6	87.1
0°-90°	935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	935.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	403	403	403	403	403	
5°	401	401	401	401	401	38
15°	385	385	385	385	385	108
25°	350	351	350	351	350	161
35°	298	298	298	298	298	186
45°	232	232	232	232	232	179
55°	159	159	159	159	159	142
65°	84	84	84	84	84	84
75°	26	27	26	27	26	30
85°	5	6	5	6	5	6
90°	0	0	0	0	0	

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	402.9	402.9	402.9	402.9	402.9	402.9	402.9	402.9	402.9	402.9	402.9
0.5°	402.8	402.8	402.9	402.9	402.9	402.9	402.9	402.8	402.8	402.8	402.9
1°	402.7	402.7	402.8	402.8	402.9	402.8	402.8	402.7	402.7	402.7	402.8
1.5°	402.6	402.6	402.7	402.7	402.8	402.7	402.7	402.6	402.6	402.6	402.7
2°	402.4	402.5	402.5	402.5	402.6	402.5	402.5	402.5	402.4	402.5	402.5
2.5°	402.3	402.3	402.3	402.4	402.4	402.4	402.3	402.3	402.3	402.3	402.3
3°	402.0	402.1	402.1	402.1	402.2	402.1	402.1	402.1	402.0	402.1	402.1
3.5°	401.8	401.8	401.9	401.9	401.9	401.9	401.9	401.8	401.8	401.8	401.9
4°	401.5	401.5	401.5	401.5	401.6	401.5	401.5	401.5	401.5	401.5	401.5
4.5°	401.1	401.1	401.2	401.2	401.3	401.2	401.2	401.1	401.1	401.1	401.2
5°	400.6	400.7	400.8	400.8	400.9	400.8	400.8	400.7	400.6	400.7	400.8
5.5°	400.2	400.3	400.4	400.3	400.4	400.3	400.4	400.3	400.2	400.3	400.4
6°	399.7	399.8	399.9	399.9	400.0	399.9	399.9	399.8	399.7	399.8	399.9
6.5°	399.2	399.3	399.3	399.3	399.5	399.3	399.3	399.3	399.2	399.3	399.3
7°	398.7	398.8	398.9	398.9	398.9	398.9	398.9	398.8	398.7	398.8	398.9
7.5°	398.1	398.2	398.3	398.3	398.4	398.3	398.3	398.2	398.1	398.2	398.3
8°	397.5	397.6	397.6	397.6	397.8	397.6	397.6	397.6	397.5	397.6	397.6
8.5°	396.8	396.9	397.0	397.0	397.0	397.0	397.0	396.9	396.8	396.9	397.0
9°	396.1	396.2	396.2	396.3	396.3	396.3	396.2	396.2	396.1	396.2	396.2
9.5°	395.4	395.4	395.5	395.5	395.6	395.5	395.5	395.4	395.4	395.4	395.5
10°	394.5	394.6	394.7	394.7	394.8	394.7	394.7	394.6	394.5	394.6	394.7
10.5°	393.7	393.8	393.8	393.9	394.0	393.9	393.8	393.8	393.7	393.8	393.8
11°	392.9	393.0	393.1	393.1	393.1	393.1	393.1	393.0	392.9	393.0	393.1
11.5°	392.0	392.1	392.2	392.2	392.3	392.2	392.2	392.1	392.0	392.1	392.2
12°	391.1	391.1	391.2	391.2	391.3	391.2	391.2	391.1	391.1	391.1	391.2
12.5°	390.1	390.1	390.2	390.2	390.3	390.2	390.2	390.1	390.1	390.1	390.2
13°	389.1	389.1	389.2	389.2	389.3	389.2	389.2	389.1	389.1	389.1	389.2
13.5°	388.0	388.0	388.1	388.1	388.2	388.1	388.1	388.0	388.0	388.0	388.1
14°	387.0	387.0	387.1	387.2	387.2	387.2	387.1	387.0	387.0	387.0	387.1
14.5°	385.8	385.9	386.0	386.0	386.1	386.0	386.0	385.9	385.8	385.9	386.0
15°	384.7	384.7	384.8	384.8	384.9	384.8	384.8	384.7	384.7	384.7	384.8
15.5°	383.5	383.5	383.6	383.6	383.7	383.6	383.6	383.5	383.5	383.5	383.6
16°	382.2	382.2	382.3	382.3	382.4	382.3	382.3	382.2	382.2	382.2	382.3
16.5°	381.0	381.0	381.1	381.0	381.1	381.0	381.1	381.0	381.0	381.0	381.1
17°	379.6	379.7	379.7	379.6	379.7	379.6	379.7	379.7	379.6	379.7	379.7
17.5°	378.1	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.1	378.2	378.2
18°	376.6	376.7	376.7	376.7	376.7	376.7	376.7	376.7	376.6	376.7	376.7
18.5°	375.1	375.2	375.2	375.2	375.3	375.2	375.2	375.2	375.1	375.2	375.2
19°	373.4	373.5	373.6	373.6	373.7	373.6	373.6	373.5	373.4	373.5	373.6
19.5°	371.8	371.8	371.9	371.9	372.0	371.9	371.9	371.8	371.8	371.8	371.9
20°	370.0	370.1	370.2	370.2	370.3	370.2	370.2	370.1	370.0	370.1	370.2
20.5°	368.3	368.4	368.5	368.5	368.6	368.5	368.5	368.4	368.3	368.4	368.5
21°	366.5	366.5	366.7	366.6	366.7	366.6	366.7	366.5	366.5	366.5	366.7
21.5°	364.6	364.7	364.8	364.7	364.8	364.7	364.8	364.7	364.6	364.7	364.8
22°	362.8	362.9	363.0	362.9	363.1	362.9	363.0	362.9	362.8	362.9	363.0

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	360.8	360.9	361.0	361.0	361.1	361.0	361.0	360.9	360.8	360.9	361.0
23°	358.8	358.9	359.0	359.0	359.1	359.0	359.0	358.9	358.8	358.9	359.0
23.5°	356.9	356.9	357.0	357.0	357.1	357.0	357.0	356.9	356.9	356.9	357.0
24°	354.7	354.8	354.9	354.9	355.0	354.9	354.9	354.8	354.7	354.8	354.9
24.5°	352.5	352.6	352.7	352.7	352.9	352.7	352.7	352.6	352.5	352.6	352.7
25°	350.5	350.5	350.6	350.6	350.7	350.6	350.6	350.5	350.5	350.5	350.6
25.5°	348.2	348.3	348.4	348.4	348.4	348.4	348.4	348.3	348.2	348.3	348.4
26°	346.0	346.1	346.2	346.2	346.3	346.2	346.2	346.1	346.0	346.1	346.2
26.5°	343.7	343.7	343.8	343.8	343.9	343.8	343.8	343.7	343.7	343.7	343.8
27°	341.3	341.3	341.5	341.4	341.6	341.4	341.5	341.3	341.3	341.3	341.5
27.5°	338.9	339.0	339.1	339.1	339.2	339.1	339.1	339.0	338.9	339.0	339.1
28°	336.5	336.5	336.6	336.6	336.7	336.6	336.6	336.5	336.5	336.5	336.6
28.5°	334.1	334.1	334.2	334.1	334.3	334.1	334.2	334.1	334.1	334.1	334.2
29°	331.5	331.5	331.6	331.6	331.7	331.6	331.6	331.5	331.5	331.5	331.6
29.5°	329.0	329.0	329.1	329.1	329.1	329.1	329.1	329.0	329.0	329.0	329.1
30°	326.3	326.4	326.5	326.4	326.5	326.4	326.5	326.4	326.3	326.4	326.5
30.5°	323.6	323.7	323.8	323.7	323.8	323.7	323.8	323.7	323.6	323.7	323.8
31°	321.0	321.0	321.1	321.1	321.2	321.1	321.1	321.0	321.0	321.0	321.1
31.5°	318.2	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.2	318.3	318.3
32°	315.5	315.5	315.6	315.5	315.6	315.5	315.6	315.5	315.5	315.5	315.6
32.5°	312.7	312.7	312.8	312.7	312.8	312.7	312.8	312.7	312.7	312.7	312.8
33°	309.9	309.9	310.0	309.9	310.0	309.9	310.0	309.9	309.9	309.9	310.0
33.5°	307.0	307.0	307.1	307.0	307.1	307.0	307.1	307.0	307.0	307.0	307.1
34°	304.1	304.1	304.2	304.1	304.2	304.1	304.2	304.1	304.1	304.1	304.2
34.5°	301.1	301.1	301.2	301.1	301.2	301.1	301.2	301.1	301.1	301.1	301.2
35°	298.1	298.2	298.2	298.2	298.3	298.2	298.2	298.2	298.1	298.2	298.2
35.5°	295.1	295.1	295.2	295.1	295.2	295.1	295.2	295.1	295.1	295.1	295.2
36°	292.2	292.1	292.2	292.1	292.2	292.1	292.2	292.1	292.2	292.1	292.2
36.5°	289.0	289.0	289.1	289.0	289.0	289.0	289.1	289.0	289.0	289.0	289.1
37°	285.9	285.9	286.0	285.9	286.0	285.9	286.0	285.9	285.9	285.9	286.0
37.5°	282.7	282.8	282.8	282.7	282.7	282.7	282.8	282.8	282.7	282.8	282.8
38°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6
38.5°	276.4	276.5	276.5	276.4	276.4	276.4	276.5	276.5	276.4	276.5	276.5
39°	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2
39.5°	269.9	270.0	270.0	269.9	270.0	269.9	270.0	270.0	269.9	270.0	270.0
40°	266.6	266.6	266.6	266.5	266.5	266.5	266.6	266.6	266.6	266.6	266.6
40.5°	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3
41°	259.9	259.9	259.9	259.9	259.8	259.9	259.9	259.9	259.9	259.9	259.9
41.5°	256.6	256.6	256.6	256.5	256.6	256.5	256.6	256.6	256.6	256.6	256.6
42°	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2
42.5°	249.8	249.8	249.8	249.7	249.7	249.7	249.8	249.8	249.8	249.8	249.8
43°	246.3	246.4	246.4	246.3	246.4	246.3	246.4	246.4	246.3	246.4	246.4
43.5°	242.8	242.8	242.9	242.8	242.8	242.8	242.9	242.8	242.8	242.8	242.9
44°	239.3	239.4	239.4	239.3	239.3	239.3	239.4	239.4	239.3	239.4	239.4
44.5°	235.9	235.9	235.9	235.8	235.8	235.8	235.9	235.9	235.9	235.9	235.9

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	232.3	232.3	232.4	232.2	232.3	232.2	232.4	232.3	232.3	232.3	232.4
45.5°	228.9	228.8	228.9	228.8	228.8	228.8	228.9	228.8	228.9	228.8	228.9
46°	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2
46.5°	221.6	221.7	221.7	221.6	221.6	221.6	221.7	221.7	221.6	221.7	221.7
47°	218.0	218.1	218.1	218.0	218.1	218.0	218.1	218.1	218.0	218.1	218.1
47.5°	214.4	214.4	214.4	214.3	214.4	214.3	214.4	214.4	214.4	214.4	214.4
48°	210.8	210.8	210.8	210.8	210.8	210.8	210.8	210.8	210.8	210.8	210.8
48.5°	207.1	207.1	207.1	207.0	207.1	207.0	207.1	207.1	207.1	207.1	207.1
49°	203.4	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.4	203.5	203.5
49.5°	199.8	199.8	199.9	199.8	199.9	199.8	199.9	199.8	199.8	199.8	199.9
50°	196.0	196.1	196.1	196.1	196.1	196.1	196.1	196.1	196.0	196.1	196.1
50.5°	192.4	192.4	192.5	192.4	192.4	192.4	192.5	192.4	192.4	192.4	192.5
51°	188.7	188.7	188.8	188.7	188.8	188.7	188.8	188.7	188.7	188.7	188.8
51.5°	185.0	184.9	185.0	184.9	185.0	184.9	185.0	184.9	185.0	184.9	185.0
52°	181.3	181.3	181.3	181.3	181.4	181.3	181.3	181.3	181.3	181.3	181.3
52.5°	177.6	177.5	177.6	177.6	177.6	177.6	177.6	177.5	177.6	177.5	177.6
53°	173.7	173.7	173.8	173.8	173.8	173.8	173.8	173.7	173.7	173.7	173.8
53.5°	170.0	170.0	170.0	170.0	170.1	170.0	170.0	170.0	170.0	170.0	170.0
54°	166.1	166.2	166.2	166.2	166.3	166.2	166.2	166.2	166.1	166.2	166.2
54.5°	162.4	162.4	162.5	162.5	162.6	162.5	162.5	162.4	162.4	162.4	162.5
55°	158.7	158.7	158.8	158.8	158.9	158.8	158.8	158.7	158.7	158.7	158.8
55.5°	154.8	154.9	154.9	154.9	155.0	154.9	154.9	154.9	154.8	154.9	154.9
56°	151.1	151.1	151.2	151.2	151.2	151.2	151.2	151.1	151.1	151.1	151.2
56.5°	147.4	147.4	147.5	147.5	147.5	147.5	147.5	147.4	147.4	147.4	147.5
57°	143.5	143.6	143.6	143.6	143.7	143.6	143.6	143.6	143.5	143.6	143.6
57.5°	139.8	139.8	139.8	139.9	140.0	139.9	139.8	139.8	139.8	139.8	139.8
58°	136.1	136.1	136.1	136.2	136.2	136.2	136.1	136.1	136.1	136.1	136.1
58.5°	132.2	132.2	132.3	132.3	132.4	132.3	132.3	132.2	132.2	132.2	132.3
59°	128.4	128.5	128.5	128.6	128.7	128.6	128.5	128.5	128.4	128.5	128.5
59.5°	124.7	124.8	124.8	124.9	125.0	124.9	124.8	124.8	124.7	124.8	124.8
60°	120.8	120.9	121.0	121.1	121.2	121.1	121.0	120.9	120.8	120.9	121.0
60.5°	117.1	117.2	117.3	117.4	117.5	117.4	117.3	117.2	117.1	117.2	117.3
61°	113.4	113.5	113.6	113.6	113.6	113.6	113.6	113.5	113.4	113.5	113.6
61.5°	109.6	109.7	109.8	109.9	110.0	109.9	109.8	109.7	109.6	109.7	109.8
62°	106.0	106.0	106.1	106.2	106.3	106.2	106.1	106.0	106.0	106.0	106.1
62.5°	102.2	102.3	102.4	102.5	102.5	102.5	102.4	102.3	102.2	102.3	102.4
63°	98.5	98.6	98.7	98.8	98.9	98.8	98.7	98.6	98.5	98.6	98.7
63.5°	94.9	94.9	95.1	95.2	95.3	95.2	95.1	94.9	94.9	94.9	95.1
64°	91.2	91.3	91.4	91.5	91.6	91.5	91.4	91.3	91.2	91.3	91.4
64.5°	87.6	87.8	87.9	88.0	88.1	88.0	87.9	87.8	87.6	87.8	87.9
65°	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.2	84.2	84.2	84.4
65.5°	80.5	80.6	80.7	80.8	80.9	80.8	80.7	80.6	80.5	80.6	80.7
66°	77.0	77.1	77.3	77.3	77.4	77.3	77.3	77.1	77.0	77.1	77.3
66.5°	73.5	73.6	73.7	73.8	73.9	73.8	73.7	73.6	73.5	73.6	73.7
67°	70.1	70.2	70.3	70.4	70.6	70.4	70.3	70.2	70.1	70.2	70.3

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	66.8	66.8	67.0	67.0	67.1	67.0	67.0	66.8	66.8	66.8	67.0
68°	63.3	63.4	63.6	63.7	63.9	63.7	63.6	63.4	63.3	63.4	63.6
68.5°	60.1	60.2	60.4	60.4	60.6	60.4	60.4	60.2	60.1	60.2	60.4
69°	56.8	56.9	57.1	57.2	57.4	57.2	57.1	56.9	56.8	56.9	57.1
69.5°	53.7	53.8	54.0	54.1	54.2	54.1	54.0	53.8	53.7	53.8	54.0
70°	50.5	50.6	50.9	51.0	51.1	51.0	50.9	50.6	50.5	50.6	50.9
70.5°	47.6	47.7	47.9	48.0	48.2	48.0	47.9	47.7	47.6	47.7	47.9
71°	44.7	44.8	45.0	45.1	45.3	45.1	45.0	44.8	44.7	44.8	45.0
71.5°	41.9	42.0	42.3	42.4	42.8	42.4	42.3	42.0	41.9	42.0	42.3
72°	39.2	39.3	39.6	39.7	40.1	39.7	39.6	39.3	39.2	39.3	39.6
72.5°	36.8	36.9	37.2	37.2	37.7	37.2	37.2	36.9	36.8	36.9	37.2
73°	34.4	34.5	34.6	34.7	35.1	34.7	34.6	34.5	34.4	34.5	34.6
73.5°	32.0	32.1	32.3	32.4	32.7	32.4	32.3	32.1	32.0	32.1	32.3
74°	29.9	30.1	30.3	30.5	30.7	30.5	30.3	30.1	29.9	30.1	30.3
74.5°	27.9	28.1	28.4	28.7	28.8	28.7	28.4	28.1	27.9	28.1	28.4
75°	26.2	26.2	26.5	26.9	27.1	26.9	26.5	26.2	26.2	26.2	26.5
75.5°	24.7	24.7	24.8	25.3	25.4	25.3	24.8	24.7	24.7	24.7	24.8
76°	23.2	23.2	23.3	23.6	23.8	23.6	23.3	23.2	23.2	23.2	23.3
76.5°	21.8	21.9	22.0	22.1	22.3	22.1	22.0	21.9	21.8	21.9	22.0
77°	20.5	20.6	20.8	20.8	20.9	20.8	20.8	20.6	20.5	20.6	20.8
77.5°	19.5	19.5	19.7	19.7	19.7	19.7	19.7	19.5	19.5	19.5	19.7
78°	18.4	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.4	18.4	18.5
78.5°	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.4	17.4	17.4	17.5
79°	16.4	16.4	16.4	16.5	16.5	16.5	16.4	16.4	16.4	16.4	16.4
79.5°	15.3	15.4	15.4	15.5	15.5	15.5	15.4	15.4	15.3	15.4	15.4
80°	14.4	14.5	14.5	14.6	14.6	14.6	14.5	14.5	14.4	14.5	14.5
80.5°	13.5	13.5	13.5	13.6	13.6	13.6	13.5	13.5	13.5	13.5	13.5
81°	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.6
81.5°	11.5	11.6	11.6	11.6	11.7	11.6	11.6	11.6	11.5	11.6	11.6
82°	10.6	10.6	10.6	10.7	10.7	10.7	10.6	10.6	10.6	10.6	10.6
82.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
83°	8.7	8.7	8.8	8.9	8.9	8.9	8.8	8.7	8.7	8.7	8.8
83.5°	7.9	7.9	8.0	8.0	8.1	8.0	8.0	7.9	7.9	7.9	8.0
84°	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.1	7.1
84.5°	6.2	6.2	6.2	6.3	6.3	6.3	6.2	6.2	6.2	6.2	6.2
85°	5.3	5.3	5.4	5.4	5.5	5.4	5.4	5.3	5.3	5.3	5.4
85.5°	4.4	4.5	4.6	4.6	4.7	4.6	4.6	4.5	4.4	4.5	4.6
86°	3.6	3.7	3.7	3.8	3.9	3.8	3.7	3.7	3.6	3.7	3.7
86.5°	2.9	2.9	2.9	3.0	3.1	3.0	2.9	2.9	2.9	2.9	2.9
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: P895721
CATALOG NUMBER: RLWZC409-2700K

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: P895721
 CATALOG NUMBER: RLWZC409-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	402.9	402.9	402.9	402.9	402.9	402.9
0.5°	402.9	402.9	402.9	402.9	402.8	402.8
1°	402.8	402.9	402.8	402.8	402.7	402.7
1.5°	402.7	402.8	402.7	402.7	402.6	402.6
2°	402.5	402.6	402.5	402.5	402.5	402.4
2.5°	402.4	402.4	402.4	402.3	402.3	402.3
3°	402.1	402.2	402.1	402.1	402.1	402.0
3.5°	401.9	401.9	401.9	401.9	401.8	401.8
4°	401.5	401.6	401.5	401.5	401.5	401.5
4.5°	401.2	401.3	401.2	401.2	401.1	401.1
5°	400.8	400.9	400.8	400.8	400.7	400.6
5.5°	400.3	400.4	400.3	400.4	400.3	400.2
6°	399.9	400.0	399.9	399.9	399.8	399.7
6.5°	399.3	399.5	399.3	399.3	399.3	399.2
7°	398.9	398.9	398.9	398.9	398.8	398.7
7.5°	398.3	398.4	398.3	398.3	398.2	398.1
8°	397.6	397.8	397.6	397.6	397.6	397.5
8.5°	397.0	397.0	397.0	397.0	396.9	396.8
9°	396.3	396.3	396.3	396.2	396.2	396.1
9.5°	395.5	395.6	395.5	395.5	395.4	395.4
10°	394.7	394.8	394.7	394.7	394.6	394.5
10.5°	393.9	394.0	393.9	393.8	393.8	393.7
11°	393.1	393.1	393.1	393.1	393.0	392.9
11.5°	392.2	392.3	392.2	392.2	392.1	392.0
12°	391.2	391.3	391.2	391.2	391.1	391.1
12.5°	390.2	390.3	390.2	390.2	390.1	390.1
13°	389.2	389.3	389.2	389.2	389.1	389.1
13.5°	388.1	388.2	388.1	388.1	388.0	388.0
14°	387.2	387.2	387.2	387.1	387.0	387.0
14.5°	386.0	386.1	386.0	386.0	385.9	385.8
15°	384.8	384.9	384.8	384.8	384.7	384.7
15.5°	383.6	383.7	383.6	383.6	383.5	383.5
16°	382.3	382.4	382.3	382.3	382.2	382.2
16.5°	381.0	381.1	381.0	381.1	381.0	381.0
17°	379.6	379.7	379.6	379.7	379.7	379.6
17.5°	378.2	378.2	378.2	378.2	378.2	378.1
18°	376.7	376.7	376.7	376.7	376.7	376.6
18.5°	375.2	375.3	375.2	375.2	375.2	375.1
19°	373.6	373.7	373.6	373.6	373.5	373.4
19.5°	371.9	372.0	371.9	371.9	371.8	371.8
20°	370.2	370.3	370.2	370.2	370.1	370.0
20.5°	368.5	368.6	368.5	368.5	368.4	368.3
21°	366.6	366.7	366.6	366.7	366.5	366.5
21.5°	364.7	364.8	364.7	364.8	364.7	364.6
22°	362.9	363.1	362.9	363.0	362.9	362.8

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	361.0	361.1	361.0	361.0	360.9	360.8
23°	359.0	359.1	359.0	359.0	358.9	358.8
23.5°	357.0	357.1	357.0	357.0	356.9	356.9
24°	354.9	355.0	354.9	354.9	354.8	354.7
24.5°	352.7	352.9	352.7	352.7	352.6	352.5
25°	350.6	350.7	350.6	350.6	350.5	350.5
25.5°	348.4	348.4	348.4	348.4	348.3	348.2
26°	346.2	346.3	346.2	346.2	346.1	346.0
26.5°	343.8	343.9	343.8	343.8	343.7	343.7
27°	341.4	341.6	341.4	341.5	341.3	341.3
27.5°	339.1	339.2	339.1	339.1	339.0	338.9
28°	336.6	336.7	336.6	336.6	336.5	336.5
28.5°	334.1	334.3	334.1	334.2	334.1	334.1
29°	331.6	331.7	331.6	331.6	331.5	331.5
29.5°	329.1	329.1	329.1	329.1	329.0	329.0
30°	326.4	326.5	326.4	326.5	326.4	326.3
30.5°	323.7	323.8	323.7	323.8	323.7	323.6
31°	321.1	321.2	321.1	321.1	321.0	321.0
31.5°	318.3	318.3	318.3	318.3	318.3	318.2
32°	315.5	315.6	315.5	315.6	315.5	315.5
32.5°	312.7	312.8	312.7	312.8	312.7	312.7
33°	309.9	310.0	309.9	310.0	309.9	309.9
33.5°	307.0	307.1	307.0	307.1	307.0	307.0
34°	304.1	304.2	304.1	304.2	304.1	304.1
34.5°	301.1	301.2	301.1	301.2	301.1	301.1
35°	298.2	298.3	298.2	298.2	298.2	298.1
35.5°	295.1	295.2	295.1	295.2	295.1	295.1
36°	292.1	292.2	292.1	292.2	292.1	292.2
36.5°	289.0	289.0	289.0	289.1	289.0	289.0
37°	285.9	286.0	285.9	286.0	285.9	285.9
37.5°	282.7	282.7	282.7	282.8	282.8	282.7
38°	279.6	279.6	279.6	279.6	279.6	279.6
38.5°	276.4	276.4	276.4	276.5	276.5	276.4
39°	273.2	273.2	273.2	273.2	273.2	273.2
39.5°	269.9	270.0	269.9	270.0	270.0	269.9
40°	266.5	266.5	266.5	266.6	266.6	266.6
40.5°	263.3	263.3	263.3	263.3	263.3	263.3
41°	259.9	259.8	259.9	259.9	259.9	259.9
41.5°	256.5	256.6	256.5	256.6	256.6	256.6
42°	253.2	253.2	253.2	253.2	253.2	253.2
42.5°	249.7	249.7	249.7	249.8	249.8	249.8
43°	246.3	246.4	246.3	246.4	246.4	246.3
43.5°	242.8	242.8	242.8	242.9	242.8	242.8
44°	239.3	239.3	239.3	239.4	239.4	239.3
44.5°	235.8	235.8	235.8	235.9	235.9	235.9

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	232.2	232.3	232.2	232.4	232.3	232.3
45.5°	228.8	228.8	228.8	228.9	228.8	228.9
46°	225.2	225.2	225.2	225.2	225.2	225.2
46.5°	221.6	221.6	221.6	221.7	221.7	221.6
47°	218.0	218.1	218.0	218.1	218.1	218.0
47.5°	214.3	214.4	214.3	214.4	214.4	214.4
48°	210.8	210.8	210.8	210.8	210.8	210.8
48.5°	207.0	207.1	207.0	207.1	207.1	207.1
49°	203.5	203.5	203.5	203.5	203.5	203.4
49.5°	199.8	199.9	199.8	199.9	199.8	199.8
50°	196.1	196.1	196.1	196.1	196.1	196.0
50.5°	192.4	192.4	192.4	192.5	192.4	192.4
51°	188.7	188.8	188.7	188.8	188.7	188.7
51.5°	184.9	185.0	184.9	185.0	184.9	185.0
52°	181.3	181.4	181.3	181.3	181.3	181.3
52.5°	177.6	177.6	177.6	177.6	177.5	177.6
53°	173.8	173.8	173.8	173.8	173.7	173.7
53.5°	170.0	170.1	170.0	170.0	170.0	170.0
54°	166.2	166.3	166.2	166.2	166.2	166.1
54.5°	162.5	162.6	162.5	162.5	162.4	162.4
55°	158.8	158.9	158.8	158.8	158.7	158.7
55.5°	154.9	155.0	154.9	154.9	154.9	154.8
56°	151.2	151.2	151.2	151.2	151.1	151.1
56.5°	147.5	147.5	147.5	147.5	147.4	147.4
57°	143.6	143.7	143.6	143.6	143.6	143.5
57.5°	139.9	140.0	139.9	139.8	139.8	139.8
58°	136.2	136.2	136.2	136.1	136.1	136.1
58.5°	132.3	132.4	132.3	132.3	132.2	132.2
59°	128.6	128.7	128.6	128.5	128.5	128.4
59.5°	124.9	125.0	124.9	124.8	124.8	124.7
60°	121.1	121.2	121.1	121.0	120.9	120.8
60.5°	117.4	117.5	117.4	117.3	117.2	117.1
61°	113.6	113.6	113.6	113.6	113.5	113.4
61.5°	109.9	110.0	109.9	109.8	109.7	109.6
62°	106.2	106.3	106.2	106.1	106.0	106.0
62.5°	102.5	102.5	102.5	102.4	102.3	102.2
63°	98.8	98.9	98.8	98.7	98.6	98.5
63.5°	95.2	95.3	95.2	95.1	94.9	94.9
64°	91.5	91.6	91.5	91.4	91.3	91.2
64.5°	88.0	88.1	88.0	87.9	87.8	87.6
65°	84.4	84.4	84.4	84.4	84.2	84.2
65.5°	80.8	80.9	80.8	80.7	80.6	80.5
66°	77.3	77.4	77.3	77.3	77.1	77.0
66.5°	73.8	73.9	73.8	73.7	73.6	73.5
67°	70.4	70.6	70.4	70.3	70.2	70.1

TEST NUMBER: P895721
 CATALOG NUMBER: RLWZC409-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	67.0	67.1	67.0	67.0	66.8	66.8
68°	63.7	63.9	63.7	63.6	63.4	63.3
68.5°	60.4	60.6	60.4	60.4	60.2	60.1
69°	57.2	57.4	57.2	57.1	56.9	56.8
69.5°	54.1	54.2	54.1	54.0	53.8	53.7
70°	51.0	51.1	51.0	50.9	50.6	50.5
70.5°	48.0	48.2	48.0	47.9	47.7	47.6
71°	45.1	45.3	45.1	45.0	44.8	44.7
71.5°	42.4	42.8	42.4	42.3	42.0	41.9
72°	39.7	40.1	39.7	39.6	39.3	39.2
72.5°	37.2	37.7	37.2	37.2	36.9	36.8
73°	34.7	35.1	34.7	34.6	34.5	34.4
73.5°	32.4	32.7	32.4	32.3	32.1	32.0
74°	30.5	30.7	30.5	30.3	30.1	29.9
74.5°	28.7	28.8	28.7	28.4	28.1	27.9
75°	26.9	27.1	26.9	26.5	26.2	26.2
75.5°	25.3	25.4	25.3	24.8	24.7	24.7
76°	23.6	23.8	23.6	23.3	23.2	23.2
76.5°	22.1	22.3	22.1	22.0	21.9	21.8
77°	20.8	20.9	20.8	20.8	20.6	20.5
77.5°	19.7	19.7	19.7	19.7	19.5	19.5
78°	18.6	18.6	18.6	18.5	18.4	18.4
78.5°	17.5	17.5	17.5	17.5	17.4	17.4
79°	16.5	16.5	16.5	16.4	16.4	16.4
79.5°	15.5	15.5	15.5	15.4	15.4	15.3
80°	14.6	14.6	14.6	14.5	14.5	14.4
80.5°	13.6	13.6	13.6	13.5	13.5	13.5
81°	12.6	12.6	12.6	12.6	12.5	12.5
81.5°	11.6	11.7	11.6	11.6	11.6	11.5
82°	10.7	10.7	10.7	10.6	10.6	10.6
82.5°	9.7	9.7	9.7	9.7	9.7	9.7
83°	8.9	8.9	8.9	8.8	8.7	8.7
83.5°	8.0	8.1	8.0	8.0	7.9	7.9
84°	7.1	7.1	7.1	7.1	7.1	7.0
84.5°	6.3	6.3	6.3	6.2	6.2	6.2
85°	5.4	5.5	5.4	5.4	5.3	5.3
85.5°	4.6	4.7	4.6	4.6	4.5	4.4
86°	3.8	3.9	3.8	3.7	3.7	3.6
86.5°	3.0	3.1	3.0	2.9	2.9	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: P895721
CATALOG NUMBER: RLWZC409-2700K

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)