

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



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P582585

Luminaire Tested: **HCC6S45D010SL-HM64560830-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S45D010SL-HM64560830-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

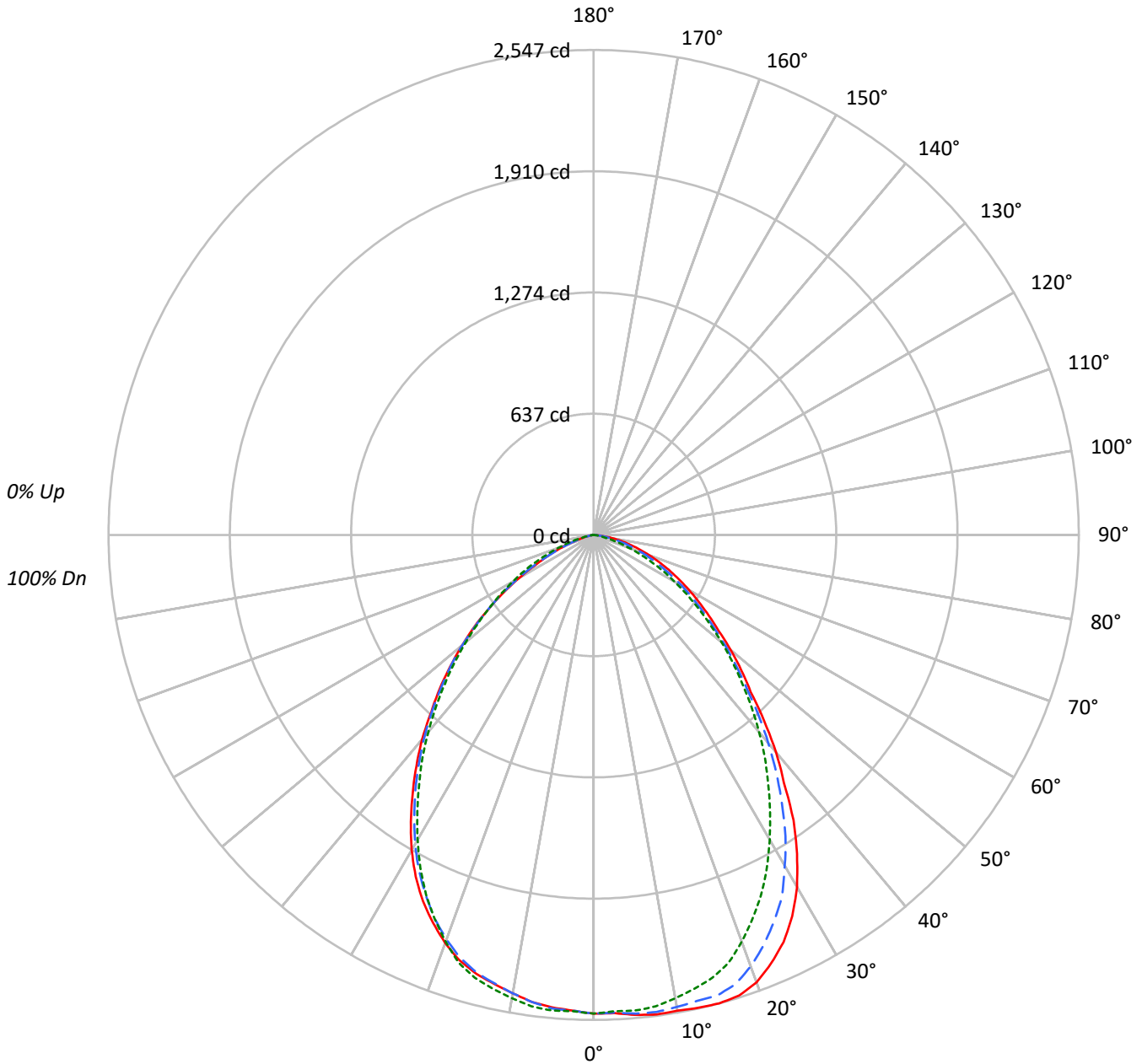
Lumens per Lamp: N/A
Luminaire Lumens: 4926.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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



TEST NUMBER: P582585
CATALOG NUMBER: HCC6S45D010SL-HM64560830-61RWWH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P582585

CATALOG NUMBER: HCC6S45D010SL-HM64560830-61RWWH

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	100								
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	137818	137818	137818
5°	139247	137981	137073
10°	141224	137561	136092
15°	144547	136692	135381
20°	145887	132627	133012
25°	142696	125953	128342
30°	135154	117005	120974
35°	122376	106943	110912
40°	106571	96667	100209
45°	90420	85575	88637
50°	80083	74752	76714
55°	70545	63921	63615
60°	63219	53822	49492
65°	56413	43169	35464
70°	49640	31159	22183
75°	41875	18830	12581
80°	32264	8334	5177
85°	18681	2076	2076



TEST NUMBER: P582585
 CATALOG NUMBER: HCC6S45D010SL-HM64560830-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.6	4.8
10°-20°	685.8	13.9
20°-30°	991.4	20.1
30°-40°	1043.2	21.2
40°-50°	876.9	17.8
50°-60°	615.5	12.5
60°-70°	338.6	6.9
70°-80°	120.2	2.4
80°-90°	15.7	0.3
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°	1915.9	38.9
0°-40°	2959.0	60.1
0°-60°	4451.5	90.4
0°-90°	4926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4926.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2514	2514	2514	2514	2514	
5°	2530	2524	2507	2497	2491	242
15°	2547	2504	2408	2379	2385	719
25°	2359	2240	2082	2086	2122	1079
35°	1829	1723	1598	1631	1657	1133
45°	1166	1134	1104	1130	1143	915
55°	738	698	669	669	666	664
65°	435	389	333	273	273	433
75°	198	158	89	59	59	212
85°	30	16	3	3	3	41
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P582585

CATALOG NUMBER: HCC6S45D010SL-HM64560830-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2514.0	2514.0	2514.0	2514.0	2514.0	2514.0	2514.0	2514.0	2514.0
2.5°	2514.0	2514.0	2510.7	2510.7	2504.1	2504.1	2500.7	2500.7	2500.7
5°	2530.4	2530.4	2523.8	2514.0	2507.4	2497.4	2497.4	2494.1	2490.9
7.5°	2540.2	2537.0	2527.1	2514.0	2497.4	2481.0	2474.4	2477.7	2474.4
10°	2537.0	2530.4	2517.3	2490.9	2471.2	2448.1	2444.8	2441.5	2444.8
12.5°	2543.7	2533.7	2507.4	2474.4	2441.5	2415.1	2411.8	2411.8	2415.1
15°	2546.9	2537.0	2504.1	2454.6	2408.5	2382.1	2378.8	2382.1	2385.4
17.5°	2537.0	2523.8	2474.4	2408.5	2355.9	2329.5	2329.5	2336.0	2342.6
20°	2500.7	2481.0	2411.8	2332.7	2273.4	2253.7	2260.3	2273.4	2280.0
22.5°	2434.9	2411.8	2332.7	2243.7	2181.2	2164.7	2181.2	2197.6	2204.2
25°	2359.1	2332.7	2240.4	2148.2	2082.3	2062.6	2085.6	2112.0	2121.8
27.5°	2257.0	2227.3	2141.7	2036.2	1970.3	1960.4	1986.8	2016.4	2023.1
30°	2135.1	2102.1	2006.5	1907.6	1848.4	1845.1	1874.8	1901.1	1911.1
32.5°	1986.8	1957.2	1874.8	1775.9	1723.1	1723.1	1752.8	1775.9	1785.8
35°	1828.6	1795.6	1723.1	1640.8	1598.0	1601.3	1630.9	1647.4	1657.3
37.5°	1640.8	1630.9	1574.9	1505.8	1476.1	1482.7	1505.8	1518.9	1528.8
40°	1489.2	1462.8	1426.6	1370.7	1350.8	1357.5	1380.5	1393.8	1400.3
42.5°	1324.6	1308.0	1278.3	1238.8	1225.7	1235.5	1255.3	1265.2	1261.9
45°	1166.3	1163.0	1133.5	1110.4	1103.8	1116.9	1130.1	1140.0	1143.3
47.5°	1051.0	1037.9	1011.5	995.1	988.5	1001.6	1014.8	1021.4	1021.4
50°	939.0	925.8	899.5	883.0	876.5	889.6	899.5	906.0	899.5
52.5°	827.0	813.8	790.7	771.0	767.7	774.3	777.6	780.9	787.4
55°	738.1	724.9	698.5	675.4	668.8	672.1	668.8	668.8	665.6
57.5°	652.4	639.2	612.9	586.5	576.6	573.2	563.4	560.1	556.8
60°	576.6	560.1	533.7	504.2	490.9	477.8	461.2	451.4	451.4
62.5°	504.2	487.6	457.9	431.7	411.8	388.7	362.5	349.2	349.2
65°	434.9	421.7	388.7	359.2	332.8	303.1	273.4	266.9	273.4
67.5°	369.0	355.9	322.9	293.2	260.3	224.0	197.7	197.7	204.3
70°	309.7	296.5	266.9	230.6	194.4	158.1	138.4	138.4	138.4
72.5°	253.7	240.5	207.6	174.7	138.4	102.2	92.2	95.6	92.2
75°	197.7	187.8	158.1	121.9	88.9	62.6	59.4	56.1	59.4
77.5°	148.3	138.4	112.0	79.1	49.4	36.2	33.0	33.0	33.0
80°	102.2	92.2	72.5	46.1	26.4	16.4	16.4	16.4	16.4
82.5°	62.6	52.7	39.5	23.1	9.9	9.9	9.9	9.9	9.9
85°	29.7	23.1	16.4	6.6	3.3	3.3	3.3	3.3	3.3
87.5°	6.6	6.6	3.3	3.3	0.0	3.3	3.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report



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

Scaled Data Report



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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)