

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: P582341

Luminaire Tested: **HCC6S35D010MW-HM63040840-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S35D010MW-HM63040840-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

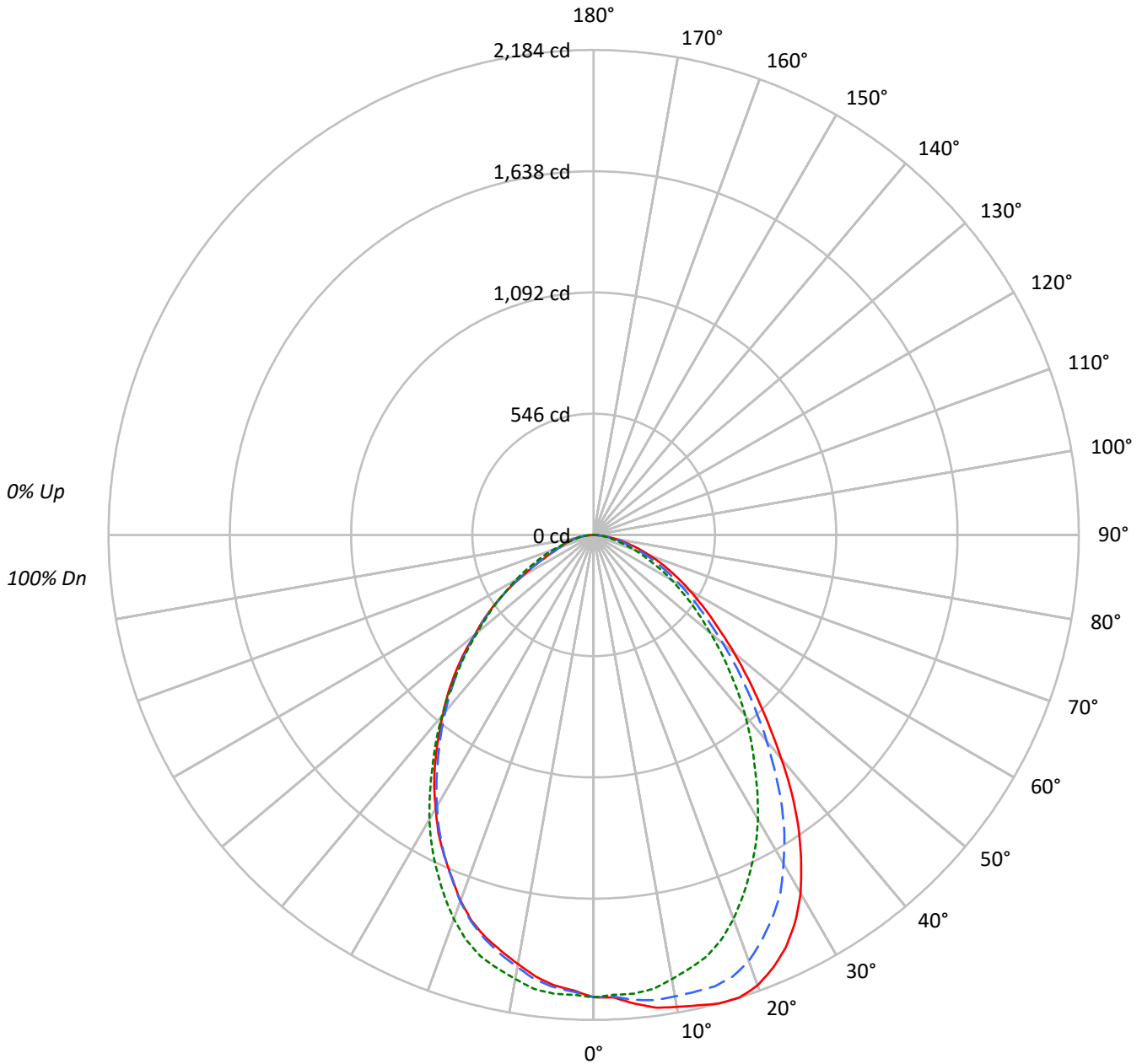
Lumens per Lamp: N/A
Luminaire Lumens: 4077.2 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P582341
CATALOG NUMBER: HCC6S35D010MW-HM63040840-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582341

CATALOG NUMBER: HCC6S35D010MW-HM63040840-61WWWB

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			
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	114130	114130	114130
5°	116602	114098	112062
10°	120166	113046	109244
15°	123973	111539	106539
20°	125935	107354	102209
25°	123872	100984	96338
30°	117930	93616	90020
35°	107545	84510	83185
40°	94033	75921	75513
45°	80931	66813	68356
50°	70343	58216	59427
55°	61436	51105	51649
60°	54568	44284	40534
65°	48695	37267	30989
70°	42860	30550	25982
75°	36749	24104	24697
80°	29612	20678	24246
85°	19687	17926	21449



TEST NUMBER: P582341
 CATALOG NUMBER: HCC6S35D010MW-HM63040840-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.1	4.8
10°-20°	561.2	13.8
20°-30°	801.1	19.6
30°-40°	839.1	20.6
40°-50°	706.5	17.3
50°-60°	502.8	12.3
60°-70°	294.3	7.2
70°-80°	139.3	3.4
80°-90°	35.8	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°	1559.4	38.2
0°-40°	2398.5	58.8
0°-60°	3607.8	88.5
0°-90°	4077.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4077.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2082	2082	2082	2082	2082	
5°	2119	2102	2073	2045	2036	204
15°	2184	2105	1965	1886	1877	617
25°	2048	1903	1670	1590	1593	937
35°	1607	1473	1263	1220	1243	998
45°	1044	967	862	865	882	810
55°	643	589	535	535	540	579
65°	375	333	287	242	239	374
75°	174	145	114	111	117	186
85°	31	26	28	34	34	41
90°	0	0	0	0	0	

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



TEST NUMBER: P582341

CATALOG NUMBER: HCC6S35D010MW-HM63040840-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2081.9	2081.9	2081.9	2081.9	2081.9	2081.9	2081.9	2081.9	2081.9
2.5°	2084.8	2084.8	2081.9	2079.1	2073.4	2064.9	2059.2	2053.6	2053.6
5°	2118.9	2113.2	2101.9	2087.6	2073.4	2056.4	2044.9	2036.4	2036.4
7.5°	2147.4	2136.0	2113.2	2087.6	2062.1	2039.3	2019.4	2008.1	2005.1
10°	2158.7	2144.5	2110.4	2070.6	2030.8	1999.5	1976.8	1962.5	1962.5
12.5°	2170.2	2153.1	2107.6	2050.7	1999.5	1956.8	1934.1	1922.6	1919.8
15°	2184.4	2161.6	2104.7	2033.6	1965.3	1917.0	1885.8	1877.2	1877.2
17.5°	2184.4	2155.9	2084.8	1996.6	1911.3	1857.3	1828.8	1820.3	1823.1
20°	2158.7	2127.4	2042.1	1934.1	1840.2	1783.3	1754.9	1749.2	1752.0
22.5°	2110.4	2073.4	1976.8	1860.1	1757.7	1698.0	1672.4	1672.4	1669.5
25°	2047.9	2008.1	1902.8	1780.5	1669.5	1609.9	1589.9	1592.7	1592.7
27.5°	1965.3	1925.6	1820.3	1689.5	1578.5	1518.9	1504.6	1510.3	1513.1
30°	1863.0	1820.3	1709.4	1581.4	1478.9	1419.3	1410.8	1419.3	1422.1
32.5°	1737.8	1706.5	1598.4	1467.6	1370.9	1319.8	1316.8	1325.4	1336.8
35°	1607.0	1572.9	1473.3	1353.8	1262.8	1220.2	1220.2	1234.3	1243.0
37.5°	1464.8	1430.6	1339.6	1240.1	1163.3	1123.5	1129.2	1143.4	1146.2
40°	1314.0	1288.5	1211.6	1126.3	1060.9	1029.6	1038.2	1052.4	1055.2
42.5°	1171.8	1149.0	1086.5	1009.7	961.4	938.6	949.9	967.0	972.7
45°	1043.9	1018.2	967.0	901.6	861.8	850.4	864.6	876.1	881.7
47.5°	927.2	904.4	861.8	802.1	773.6	767.9	782.1	787.8	793.6
50°	824.8	802.1	759.4	705.3	682.6	682.6	694.0	699.7	696.8
52.5°	725.3	705.3	665.5	620.0	605.8	605.8	614.3	617.2	622.8
55°	642.8	622.8	588.8	546.0	534.7	529.0	534.7	534.7	540.4
57.5°	566.0	549.0	517.7	477.8	463.6	457.9	455.1	452.2	457.9
60°	497.7	483.5	449.4	415.2	403.9	389.7	378.2	366.9	369.7
62.5°	435.2	420.9	389.7	355.6	344.1	324.2	310.1	295.8	301.4
65°	375.4	361.2	332.8	304.4	287.3	264.6	241.8	233.3	238.9
67.5°	321.4	310.1	281.6	253.1	238.9	213.3	190.6	190.6	193.4
70°	267.4	255.9	233.3	207.6	190.6	167.8	159.3	162.1	162.1
72.5°	219.0	210.5	187.8	165.0	147.9	133.6	133.6	136.5	139.3
75°	173.5	167.8	145.1	125.1	113.8	105.3	111.0	113.8	116.6
77.5°	133.6	125.1	108.1	93.8	85.3	88.2	93.8	96.7	99.5
80°	93.8	91.0	76.8	68.3	65.5	68.3	74.0	76.8	76.8
82.5°	59.8	56.8	48.3	45.5	45.5	48.3	54.0	54.0	54.0
85°	31.3	28.5	25.6	25.6	28.5	31.3	34.1	34.1	34.1
87.5°	11.3	8.5	11.3	11.3	14.2	14.2	14.2	14.2	14.2
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)