

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: P582305

Luminaire Tested: **HCC6W35D010MW-HM63040830-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582305  
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: HCC6W35D010MW-HM63040830-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

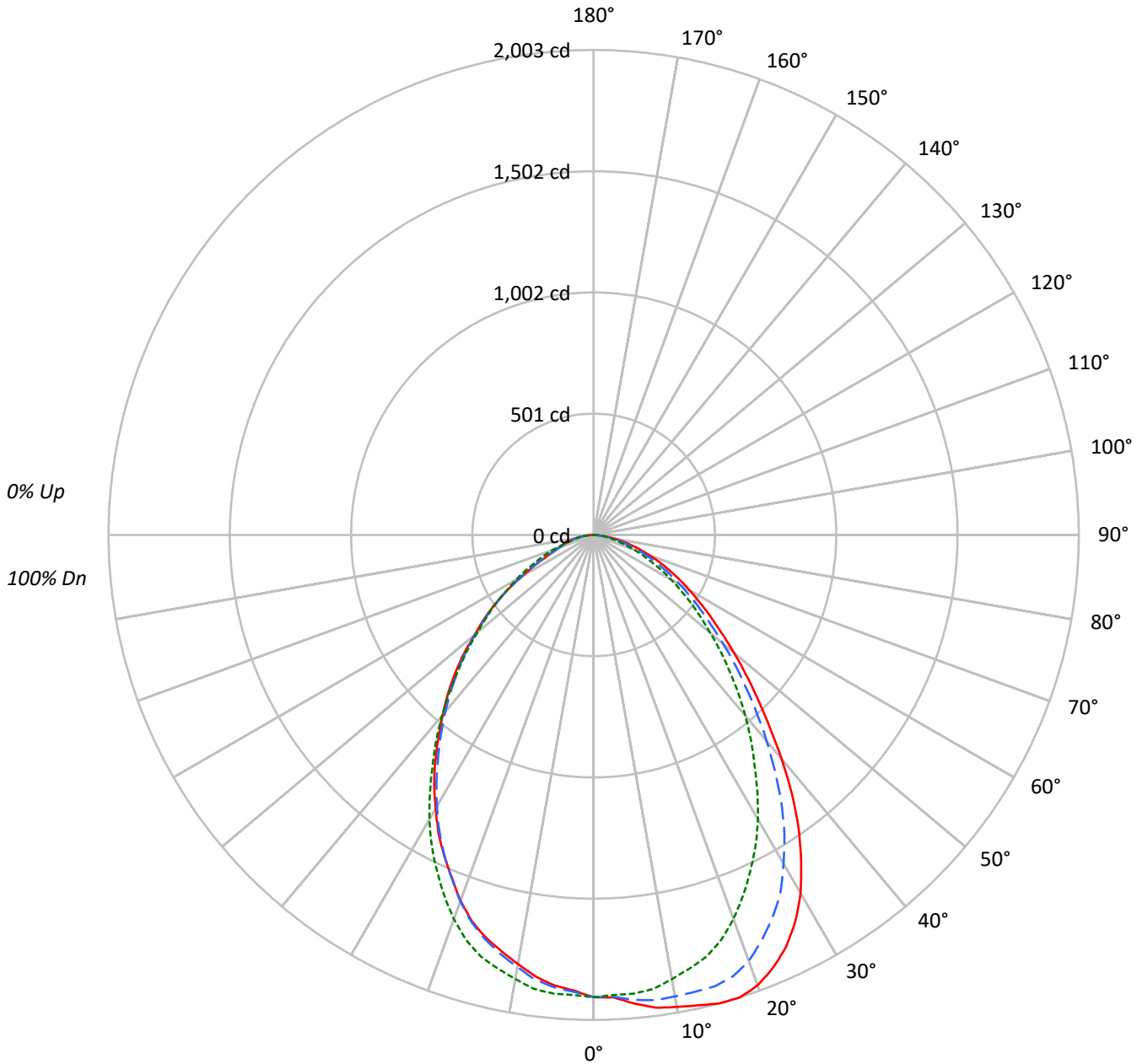
Lumens per Lamp: N/A  
Luminaire Lumens: 3739.3 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582305  
CATALOG NUMBER: HCC6W35D010MW-HM63040830-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582305

CATALOG NUMBER: HCC6W35D010MW-HM63040830-61WWWB

**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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	104674	104674	104674
5°	106939	104644	102779
10°	110207	103672	100193
15°	113695	102293	97708
20°	115498	98458	93738
25°	113601	92618	88354
30°	108156	85861	82557
35°	98631	77504	76286
40°	86247	69623	69258
45°	74217	61278	62689
50°	64510	53388	54497
55°	56352	46870	47367
60°	50051	40611	37179
65°	44661	34180	28434
70°	39302	28018	23834
75°	33699	22092	22642
80°	27181	18942	22257
85°	18052	16417	19687



TEST NUMBER: P582305

CATALOG NUMBER: HCC6W35D010MW-HM63040830-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.8	4.8
10°-20°	514.7	13.8
20°-30°	734.7	19.6
30°-40°	769.6	20.6
40°-50°	647.9	17.3
50°-60°	461.2	12.3
60°-70°	269.9	7.2
70°-80°	127.7	3.4
80°-90°	32.9	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°	1430.1	38.2
0°-40°	2199.7	58.8
0°-60°	3308.8	88.5
0°-90°	3739.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3739.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1909	1909	1909	1909	1909	
5°	1943	1928	1902	1876	1868	187
15°	2003	1930	1802	1729	1722	565
25°	1878	1745	1531	1458	1461	860
35°	1474	1351	1158	1119	1140	915
45°	957	887	790	793	809	743
55°	590	540	490	490	496	531
65°	344	305	264	222	219	343
75°	159	133	104	102	107	171
85°	29	24	26	31	31	37
90°	0	0	0	0	0	

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



TEST NUMBER: P582305

CATALOG NUMBER: HCC6W35D010MW-HM63040830-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4
2.5°	1912.0	1912.0	1909.4	1906.8	1901.6	1893.8	1888.6	1883.3	1883.3
5°	1943.3	1938.2	1927.7	1914.6	1901.6	1885.9	1875.5	1867.7	1867.7
7.5°	1969.4	1958.9	1938.2	1914.6	1891.1	1870.2	1852.0	1841.5	1839.0
10°	1979.8	1966.7	1935.5	1898.9	1862.4	1833.7	1812.9	1799.9	1799.9
12.5°	1990.3	1974.6	1932.9	1880.7	1833.7	1794.6	1773.7	1763.3	1760.8
15°	2003.3	1982.4	1930.2	1865.1	1802.4	1758.1	1729.4	1721.6	1721.6
17.5°	2003.3	1977.2	1912.0	1831.1	1753.0	1703.4	1677.2	1669.4	1672.1
20°	1979.8	1951.1	1872.9	1773.7	1687.7	1635.6	1609.4	1604.2	1606.8
22.5°	1935.5	1901.6	1812.9	1705.9	1612.1	1557.2	1533.8	1533.8	1531.2
25°	1878.1	1841.5	1745.0	1632.9	1531.2	1476.4	1458.2	1460.7	1460.7
27.5°	1802.4	1765.9	1669.4	1549.4	1447.7	1392.9	1379.9	1385.1	1387.7
30°	1708.6	1669.4	1567.7	1450.3	1356.4	1301.7	1293.9	1301.7	1304.2
32.5°	1593.8	1565.1	1466.0	1346.0	1257.3	1210.3	1207.7	1215.5	1225.9
35°	1473.8	1442.5	1351.2	1241.7	1158.1	1119.0	1119.0	1132.1	1139.9
37.5°	1343.3	1312.1	1228.6	1137.2	1066.9	1030.3	1035.6	1048.5	1051.2
40°	1205.2	1181.6	1111.2	1032.9	972.9	944.2	952.0	965.1	967.8
42.5°	1074.7	1053.8	996.4	926.0	881.7	860.8	871.3	886.9	892.1
45°	957.3	933.8	886.9	826.9	790.4	779.9	793.0	803.4	808.6
47.5°	850.4	829.5	790.4	735.6	709.5	704.3	717.4	722.5	727.7
50°	756.4	735.6	696.5	646.9	626.0	626.0	636.5	641.7	639.0
52.5°	665.2	646.9	610.3	568.7	555.6	555.6	563.4	566.0	571.2
55°	589.6	571.2	540.0	500.9	490.4	485.1	490.4	490.4	495.6
57.5°	519.1	503.4	474.7	438.2	425.1	420.0	417.3	414.8	420.0
60°	456.5	443.5	412.2	380.8	370.4	357.3	346.9	336.4	339.1
62.5°	399.1	386.0	357.3	326.1	315.7	297.4	284.3	271.3	276.5
65°	344.3	331.3	305.2	279.1	263.5	242.6	221.7	213.9	219.2
67.5°	294.8	284.3	258.3	232.1	219.2	195.6	174.8	174.8	177.4
70°	245.2	234.8	213.9	190.5	174.8	153.9	146.1	148.7	148.7
72.5°	200.8	193.0	172.1	151.2	135.6	122.7	122.7	125.2	127.8
75°	159.1	153.9	133.0	114.7	104.3	96.5	101.8	104.3	106.9
77.5°	122.7	114.7	99.1	86.1	78.3	80.9	86.1	88.7	91.3
80°	86.1	83.4	70.5	62.6	60.0	62.6	67.8	70.5	70.5
82.5°	54.7	52.2	44.3	41.8	41.8	44.3	49.6	49.6	49.6
85°	28.7	26.1	23.5	23.5	26.1	28.7	31.3	31.3	31.3
87.5°	10.4	7.8	10.4	10.4	13.1	13.1	13.1	13.1	13.1
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)