

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: P582321

Luminaire Tested: **HCC6S35D010MW-HM63040835-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582321  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S35D010MW-HM63040835-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

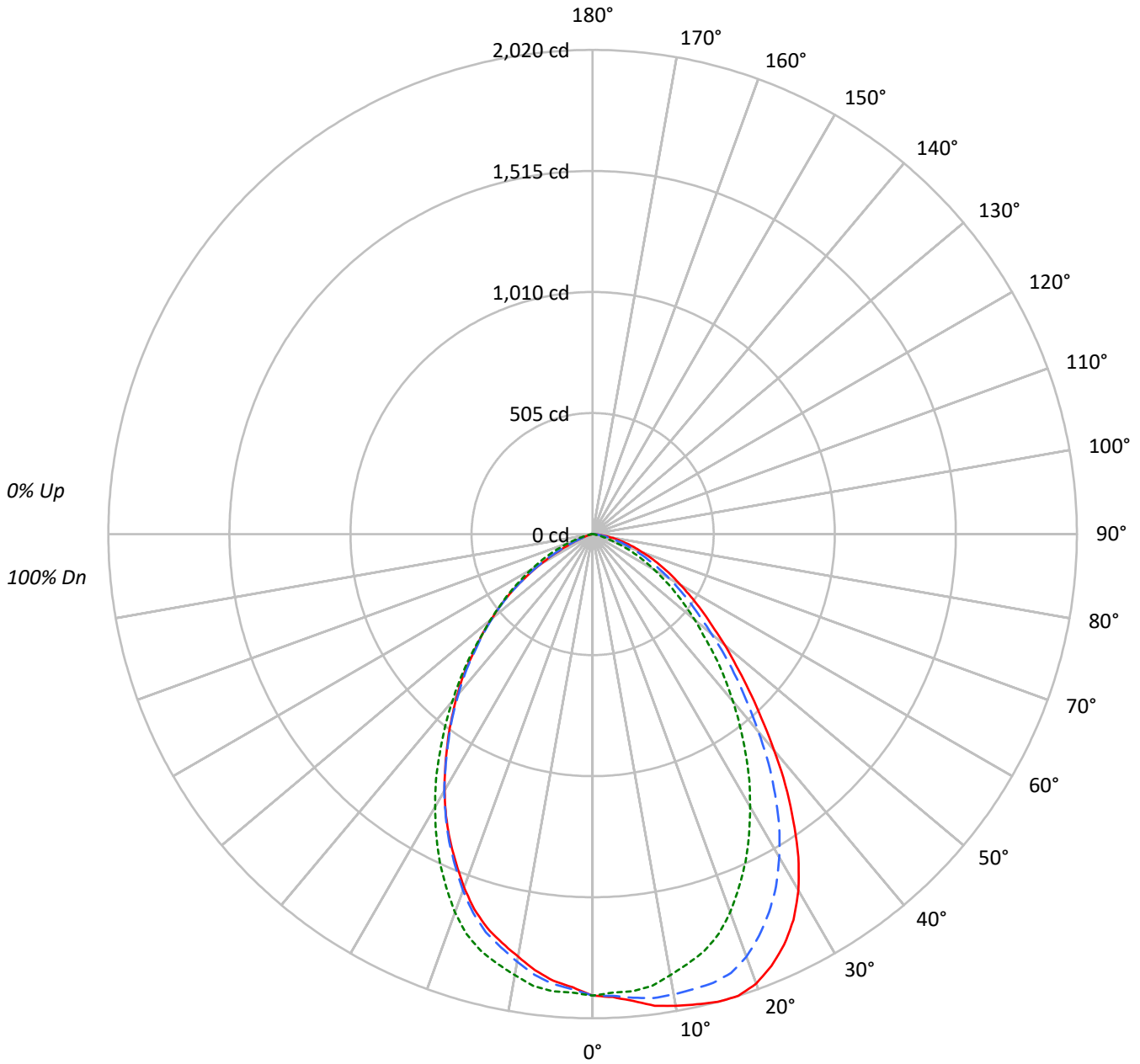
Lumens per Lamp: N/A  
Luminaire Lumens: 3430.9 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582321  
CATALOG NUMBER: HCC6S35D010MW-HM63040835-61WWBB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582321

CATALOG NUMBER: HCC6S35D010MW-HM63040835-61WWBB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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								
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

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

	0°	90°	180°
0°	105545	105545	105545
5°	107588	105354	102971
10°	111243	104006	99636
15°	114649	102197	96516
20°	116426	97939	91469
25°	114327	91227	85172
30°	108675	83133	78164
35°	97681	74298	70490
40°	84301	65108	62975
45°	71372	56052	54587
50°	61201	47342	46881
55°	53054	39855	38297
60°	46323	32355	27322
65°	40757	24931	15112
70°	35150	16493	7373
75°	29844	8028	2859
80°	23077	3441	1705
85°	13649	1698	1698



TEST NUMBER: P582321

CATALOG NUMBER: HCC6S35D010MW-HM63040835-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.7	5.3
10°-20°	513.8	15.0
20°-30°	723.5	21.1
30°-40°	739.2	21.5
40°-50°	596.0	17.4
50°-60°	399.8	11.7
60°-70°	202.3	5.9
70°-80°	64.7	1.9
80°-90°	10.0	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°	1419.0	41.4
0°-40°	2158.2	62.9
0°-60°	3154.0	91.9
0°-90°	3430.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3430.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1925	1925	1925	1925	1925	
5°	1955	1942	1914	1885	1871	188
15°	2020	1939	1801	1720	1701	570
25°	1890	1741	1508	1416	1408	865
35°	1460	1327	1110	1048	1053	908
45°	921	848	723	699	704	716
55°	555	493	417	398	401	499
65°	314	260	192	127	116	314
75°	141	100	38	14	14	151
85°	22	11	3	3	3	29
90°	0	0	0	0	0	

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



TEST NUMBER: P582321

CATALOG NUMBER: HCC6S35D010MW-HM63040835-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1925.3	1925.3	1925.3	1925.3	1925.3	1925.3	1925.3	1925.3	1925.3
2.5°	1933.4	1930.7	1928.0	1922.6	1914.5	1906.3	1900.9	1895.4	1892.8
5°	1955.1	1949.7	1941.5	1930.7	1914.5	1895.4	1884.7	1873.9	1871.2
7.5°	1984.8	1974.0	1952.4	1928.0	1900.9	1873.9	1854.8	1844.1	1835.9
10°	1998.4	1979.5	1949.7	1909.1	1868.4	1835.9	1811.5	1795.3	1789.9
12.5°	2009.2	1987.5	1944.2	1890.1	1835.9	1792.6	1765.6	1752.0	1746.5
15°	2020.1	1998.4	1938.9	1868.4	1800.7	1749.3	1719.5	1705.9	1700.6
17.5°	2020.1	1990.3	1919.8	1830.6	1749.3	1687.0	1657.3	1643.7	1640.9
20°	1995.7	1963.2	1876.5	1770.9	1678.8	1608.5	1581.4	1573.2	1567.9
22.5°	1949.7	1911.8	1814.2	1695.1	1594.9	1527.3	1497.5	1492.0	1486.6
25°	1890.1	1852.1	1741.2	1613.8	1508.2	1440.5	1416.2	1410.8	1408.1
27.5°	1814.2	1773.6	1657.3	1527.3	1413.5	1348.5	1326.9	1326.9	1324.2
30°	1716.8	1670.8	1557.0	1427.0	1313.3	1253.7	1237.5	1237.5	1234.8
32.5°	1597.6	1551.6	1448.7	1324.2	1215.8	1153.6	1140.0	1145.4	1142.7
35°	1459.6	1421.6	1326.9	1205.0	1110.2	1053.3	1048.0	1053.3	1053.3
37.5°	1321.4	1286.3	1205.0	1099.4	1010.0	958.6	958.6	966.7	963.9
40°	1178.0	1150.9	1075.0	983.0	909.8	874.7	869.2	877.4	880.0
42.5°	1042.5	1020.9	955.9	880.0	815.0	779.9	788.0	793.4	796.1
45°	920.6	899.1	847.6	769.1	723.0	698.7	698.7	706.7	704.1
47.5°	812.3	796.1	744.7	668.8	628.2	617.3	622.8	628.2	628.2
50°	717.6	693.2	644.4	584.9	555.1	541.6	547.0	549.7	549.7
52.5°	628.2	612.0	563.2	509.0	482.0	473.9	473.9	476.6	476.6
55°	555.1	536.1	492.8	438.7	417.0	406.2	398.1	395.4	400.7
57.5°	484.7	468.4	427.8	376.4	352.0	341.2	324.9	319.5	324.9
60°	422.5	408.9	368.3	319.5	295.1	273.5	254.5	243.7	249.2
62.5°	368.3	352.0	311.4	270.7	243.7	219.3	189.5	173.3	181.5
65°	314.2	300.6	260.0	219.3	192.2	162.4	127.3	116.5	116.5
67.5°	265.4	251.8	213.9	178.7	146.2	111.0	78.5	75.9	78.5
70°	219.3	205.7	173.3	138.1	102.9	67.7	46.0	46.0	46.0
72.5°	181.5	165.1	135.4	100.2	65.0	35.2	24.4	27.1	27.1
75°	140.9	127.3	100.2	67.7	37.9	16.2	13.5	13.5	13.5
77.5°	105.6	94.8	70.4	43.3	18.9	5.4	5.4	5.4	5.4
80°	73.1	62.3	46.0	27.1	10.9	5.4	5.4	5.4	5.4
82.5°	43.3	37.9	27.1	13.5	5.4	2.7	2.7	2.7	2.7
85°	21.7	18.9	10.9	5.4	2.7	2.7	2.7	2.7	2.7
87.5°	5.4	5.4	2.7	2.7	0.0	2.7	2.7	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)