

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: P582322

Luminaire Tested: **HCC6W35D010BZ-HM63040835-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W35D010BZ-HM63040835-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

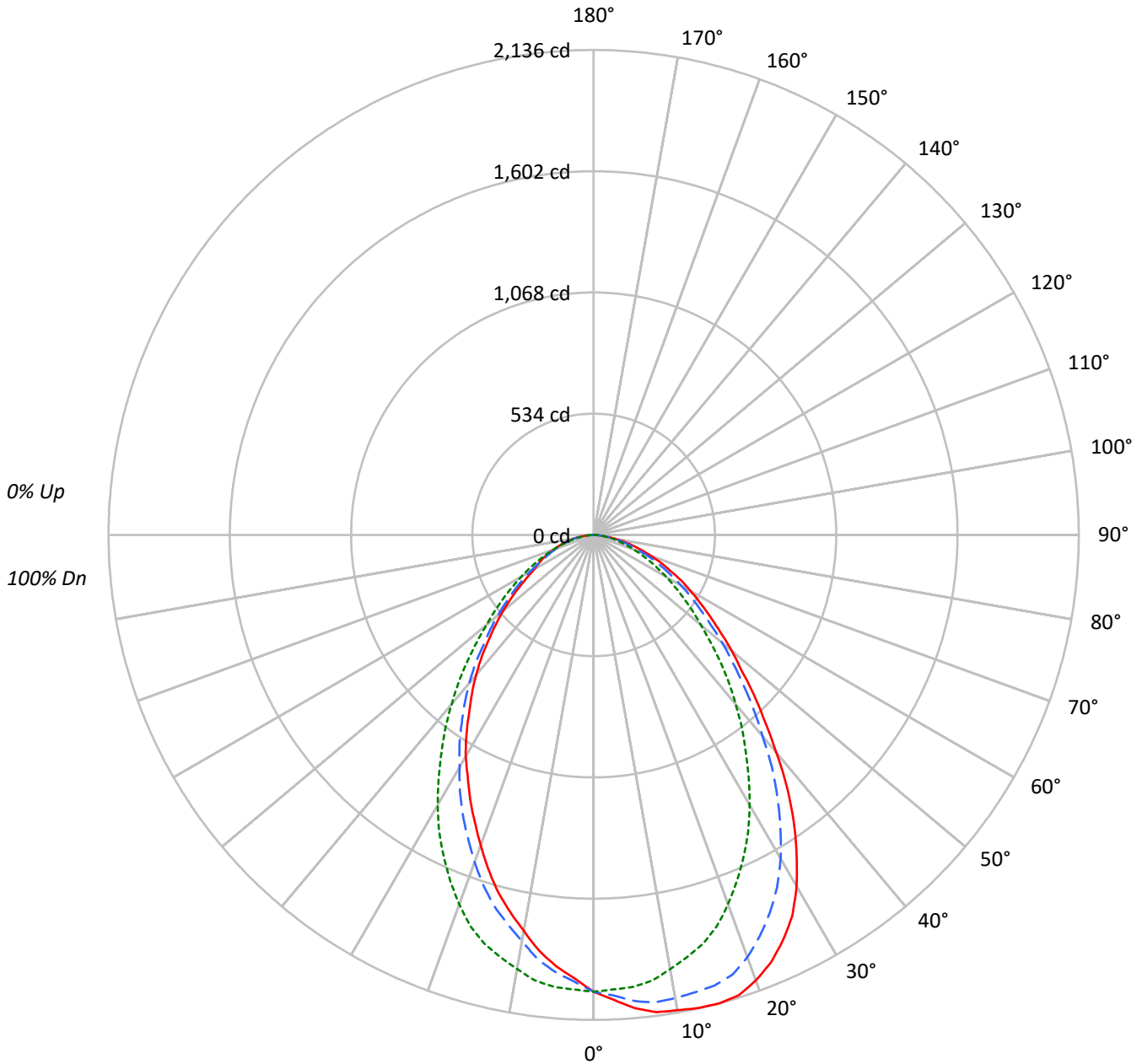
Lumens per Lamp: N/A  
Luminaire Lumens: 3747.7 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582322  
CATALOG NUMBER: HCC6W35D010BZ-HM63040835-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582322

CATALOG NUMBER: HCC6W35D010BZ-HM63040835-61WWW

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	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	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

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

	0°	90°	180°
0°	110293	110293	110293
5°	115182	109971	104903
10°	118329	108075	98579
15°	121249	105733	92361
20°	121799	100943	84830
25°	119239	94505	77805
30°	113125	86906	71308
35°	102747	78106	63972
40°	89525	69566	57551
45°	77465	60882	50594
50°	67665	52425	44340
55°	59783	46068	38049
60°	53735	40381	32958
65°	48124	35114	31975
70°	42972	29941	29941
75°	37278	25248	28107
80°	29928	21373	25635
85°	20379	18744	22140



TEST NUMBER: P582322  
 CATALOG NUMBER: HCC6W35D010BZ-HM63040835-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.1	5.0
10°-20°	525.6	14.0
20°-30°	732.5	19.5
30°-40°	754.8	20.1
40°-50°	625.5	16.7
50°-60°	449.5	12.0
60°-70°	286.3	7.6
70°-80°	147.0	3.9
80°-90°	37.4	1.0
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°	1447.2	38.6
0°-40°	2202.0	58.8
0°-60°	3277.1	87.4
0°-90°	3747.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3747.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2012	2012	2012	2012	2012	
5°	2093	2061	1998	1933	1906	201
15°	2136	2055	1863	1692	1627	602
25°	1971	1836	1562	1362	1286	903
35°	1535	1411	1167	1013	956	954
45°	999	929	785	685	653	773
55°	626	574	482	428	398	563
65°	371	330	271	236	246	372
75°	176	152	119	124	133	188
85°	32	30	30	32	35	42
90°	0	0	0	0	0	

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



TEST NUMBER: P582322

CATALOG NUMBER: HCC6W35D010BZ-HM63040835-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2011.9	2011.9	2011.9	2011.9	2011.9	2011.9	2011.9	2011.9	2011.9
2.5°	2049.8	2041.7	2030.8	2020.1	2003.7	1984.8	1968.6	1963.1	1955.1
5°	2093.1	2082.3	2060.7	2033.6	1998.4	1963.1	1933.4	1914.5	1906.3
7.5°	2120.2	2106.7	2076.9	2030.8	1979.5	1928.0	1884.6	1857.5	1846.8
10°	2125.7	2112.2	2071.5	2009.2	1941.5	1871.1	1816.9	1784.5	1770.9
12.5°	2133.7	2114.8	2063.4	1990.2	1903.6	1822.4	1754.7	1714.1	1700.6
15°	2136.4	2114.8	2055.2	1965.9	1863.0	1765.6	1692.4	1643.6	1627.4
17.5°	2125.7	2101.3	2030.8	1922.5	1806.2	1703.2	1616.5	1565.2	1543.5
20°	2087.8	2060.7	1979.5	1857.5	1730.3	1622.0	1532.6	1478.5	1454.1
22.5°	2039.0	2003.7	1911.8	1781.8	1649.1	1535.3	1446.0	1391.8	1367.5
25°	1971.3	1938.9	1835.9	1697.8	1562.4	1443.2	1362.0	1305.2	1286.3
27.5°	1892.8	1854.8	1749.2	1611.2	1473.1	1354.0	1275.4	1223.9	1199.6
30°	1787.1	1752.0	1646.4	1508.2	1372.9	1261.9	1180.7	1137.2	1126.5
32.5°	1662.6	1632.9	1529.9	1399.9	1269.9	1167.1	1099.4	1053.3	1042.5
35°	1535.3	1500.2	1410.8	1289.0	1167.1	1075.0	1012.7	972.1	955.9
37.5°	1397.2	1364.7	1289.0	1180.7	1072.4	985.6	931.5	896.3	880.0
40°	1251.0	1226.6	1156.3	1069.6	972.1	896.3	850.3	820.5	804.2
42.5°	1115.7	1091.3	1042.5	961.3	880.0	812.3	771.7	744.7	731.1
45°	999.2	977.5	928.8	858.3	785.3	728.4	685.0	666.1	652.6
47.5°	882.7	871.9	828.6	763.6	695.9	647.2	617.3	595.8	584.9
50°	793.4	779.9	739.3	671.5	614.7	576.7	549.7	530.8	519.9
52.5°	701.4	687.8	649.9	593.1	547.0	511.7	484.7	468.4	457.6
55°	625.5	614.7	574.0	522.6	482.0	452.2	427.8	408.9	398.1
57.5°	555.1	544.3	506.4	457.6	422.5	395.4	373.7	357.5	343.9
60°	490.1	482.0	444.0	398.1	368.3	341.2	322.2	308.7	300.6
62.5°	433.3	417.0	384.5	343.9	316.8	295.1	276.2	268.1	273.5
65°	371.0	362.8	330.4	295.1	270.7	249.2	235.6	241.0	246.5
67.5°	319.5	308.7	281.6	249.2	227.4	211.2	203.1	213.9	216.6
70°	268.1	257.2	232.8	205.7	186.8	176.0	176.0	184.2	186.8
72.5°	219.3	211.2	189.5	167.9	154.4	146.2	151.6	157.1	159.8
75°	176.0	167.9	151.6	132.7	119.2	119.2	124.5	130.0	132.7
77.5°	135.4	130.0	113.8	100.2	94.8	94.8	100.2	102.9	105.6
80°	94.8	89.4	81.2	73.1	67.7	73.1	78.5	78.5	81.2
82.5°	62.3	59.5	54.1	48.8	48.8	51.5	54.1	56.8	56.8
85°	32.4	32.4	29.8	27.1	29.8	32.4	32.4	35.2	35.2
87.5°	10.9	10.9	10.9	10.9	13.5	13.5	13.5	13.5	13.5
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)