

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: P593246

Luminaire Tested: **HCC6W35D010MB-HM63040850-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593246  
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: HCC6W35D010MB-HM63040850-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

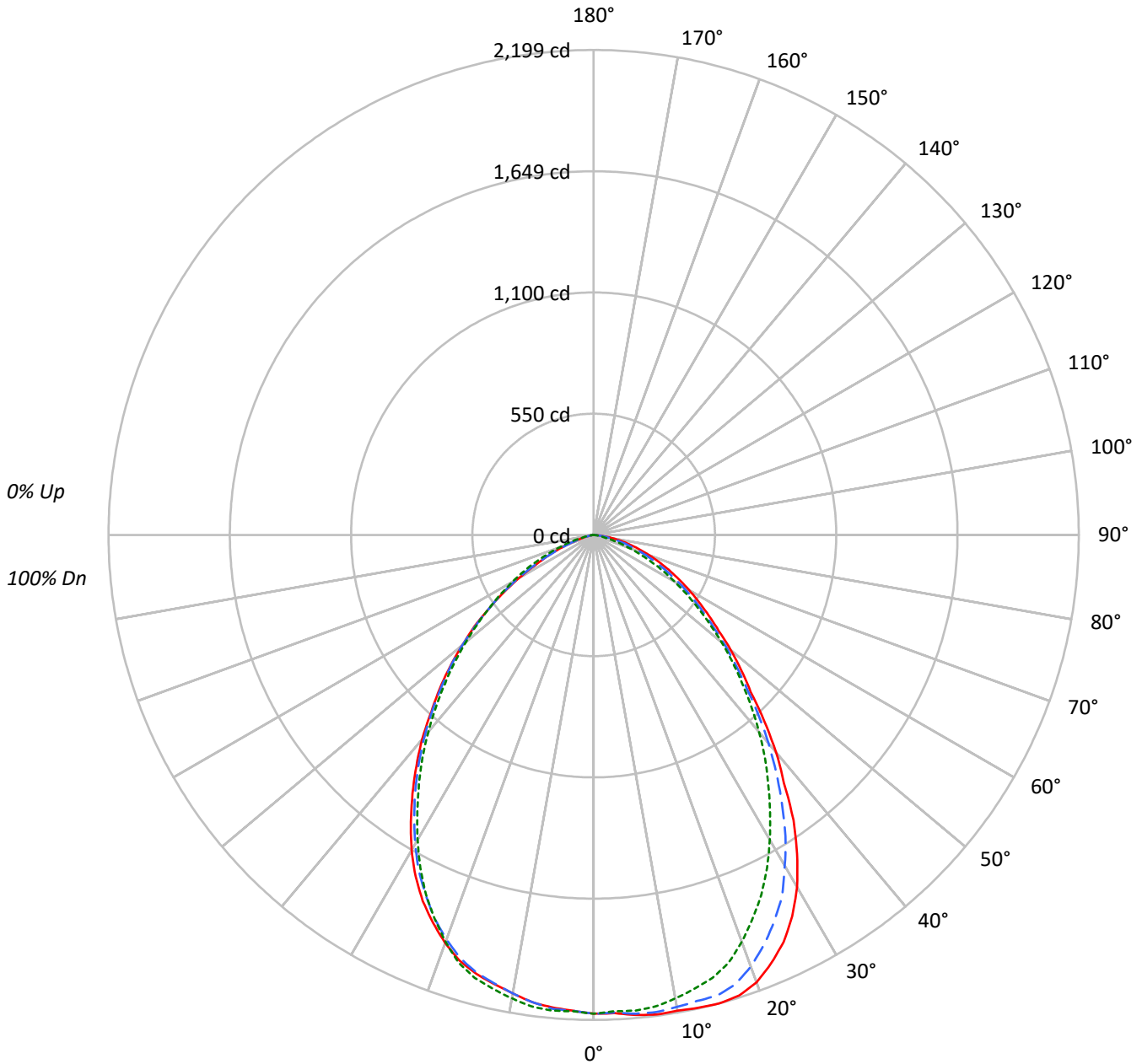
Lumens per Lamp: N/A  
Luminaire Lumens: 4253.6 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P593246  
CATALOG NUMBER: HCC6W35D010MB-HM63040850-61RWWH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P593246

CATALOG NUMBER: HCC6W35D010MB-HM63040850-61RWWH

**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°	119009	119009	119009
5°	120240	119145	118363
10°	121947	118785	117516
15°	124813	118031	116908
20°	125976	114524	114857
25°	123219	108762	110825
30°	116702	101035	104453
35°	105678	92347	95774
40°	92030	83478	86526
45°	78078	73891	76543
50°	69149	64544	66249
55°	60911	55195	54928
60°	54579	46488	42738
65°	48708	37267	30626
70°	42876	26896	19154
75°	36156	16267	10845
80°	27844	7198	4483
85°	16102	1761	1761



TEST NUMBER: P593246  
 CATALOG NUMBER: HCC6W35D010MB-HM63040850-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.1	4.8
10°-20°	592.2	13.9
20°-30°	856.1	20.1
30°-40°	900.8	21.2
40°-50°	757.3	17.8
50°-60°	531.5	12.5
60°-70°	292.4	6.9
70°-80°	103.8	2.4
80°-90°	13.6	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°	1654.4	38.9
0°-40°	2555.2	60.1
0°-60°	3843.9	90.4
0°-90°	4253.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4253.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2171	2171	2171	2171	2171	
5°	2185	2179	2165	2157	2151	209
15°	2199	2162	2080	2054	2060	621
25°	2037	1935	1798	1801	1832	932
35°	1579	1488	1380	1408	1431	979
45°	1007	979	953	976	987	790
55°	637	603	578	578	575	574
65°	376	336	287	236	236	374
75°	171	136	77	51	51	183
85°	26	14	3	3	3	35
90°	0	0	0	0	0	

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



TEST NUMBER: P593246

CATALOG NUMBER: HCC6W35D010MB-HM63040850-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2170.9	2170.9	2170.9	2170.9	2170.9	2170.9	2170.9	2170.9	2170.9
2.5°	2170.9	2170.9	2167.9	2167.9	2162.2	2162.2	2159.4	2159.4	2159.4
5°	2185.0	2185.0	2179.4	2170.9	2165.1	2156.6	2156.6	2153.7	2150.9
7.5°	2193.6	2190.7	2182.2	2170.9	2156.6	2142.4	2136.7	2139.5	2136.7
10°	2190.7	2185.0	2173.7	2150.9	2133.9	2113.9	2111.1	2108.2	2111.1
12.5°	2196.4	2187.9	2165.1	2136.7	2108.2	2085.4	2082.6	2082.6	2085.4
15°	2199.2	2190.7	2162.2	2119.6	2079.7	2057.0	2054.2	2057.0	2059.9
17.5°	2190.7	2179.4	2136.7	2079.7	2034.2	2011.4	2011.4	2017.2	2022.9
20°	2159.4	2142.4	2082.6	2014.4	1963.1	1946.1	1951.7	1963.1	1968.8
22.5°	2102.5	2082.6	2014.4	1937.5	1883.4	1869.2	1883.4	1897.7	1903.4
25°	2037.1	2014.4	1934.7	1854.9	1798.1	1781.1	1800.9	1823.7	1832.2
27.5°	1948.9	1923.3	1849.3	1758.3	1701.4	1692.9	1715.6	1741.2	1746.9
30°	1843.6	1815.2	1732.6	1647.3	1596.1	1593.3	1618.9	1641.6	1650.1
32.5°	1715.6	1689.9	1618.9	1533.6	1487.9	1487.9	1513.6	1533.6	1542.1
35°	1579.1	1550.6	1487.9	1416.9	1379.9	1382.7	1408.3	1422.6	1431.1
37.5°	1416.9	1408.3	1359.9	1300.2	1274.6	1280.3	1300.2	1311.6	1320.1
40°	1286.0	1263.2	1231.9	1183.6	1166.5	1172.1	1192.1	1203.5	1209.1
42.5°	1143.8	1129.5	1103.9	1069.8	1058.4	1066.9	1084.0	1092.5	1089.6
45°	1007.1	1004.3	978.8	958.8	953.1	964.5	975.8	984.4	987.3
47.5°	907.6	896.3	873.5	859.3	853.5	864.9	876.3	882.0	882.0
50°	810.8	799.5	776.8	762.5	756.8	768.1	776.8	782.4	776.8
52.5°	714.1	702.8	682.8	665.8	662.9	668.6	671.5	674.3	680.0
55°	637.3	625.9	603.1	583.3	577.5	580.3	577.5	577.5	574.7
57.5°	563.3	552.0	529.2	506.5	497.8	495.0	486.5	483.7	480.8
60°	497.8	483.7	460.8	435.3	424.0	412.5	398.3	389.8	389.8
62.5°	435.3	421.1	395.5	372.7	355.6	335.7	313.0	301.6	301.6
65°	375.5	364.2	335.7	310.1	287.3	261.8	236.1	230.5	236.1
67.5°	318.7	307.3	278.8	253.2	224.8	193.5	170.7	170.7	176.5
70°	267.5	256.0	230.5	199.2	167.8	136.5	119.5	119.5	119.5
72.5°	219.0	207.7	179.3	150.8	119.5	88.2	79.7	82.5	79.7
75°	170.7	162.2	136.5	105.3	76.8	54.0	51.2	48.3	51.2
77.5°	128.0	119.5	96.7	68.3	42.7	31.3	28.5	28.5	28.5
80°	88.2	79.7	62.6	39.8	22.8	14.2	14.2	14.2	14.2
82.5°	54.0	45.5	34.2	20.0	8.5	8.5	8.5	8.5	8.5
85°	25.6	20.0	14.2	5.7	2.8	2.8	2.8	2.8	2.8
87.5°	5.7	5.7	2.8	2.8	0.0	2.8	2.8	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)