

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: P582404

Luminaire Tested: **HCC6W35D010SL-HM63040940-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582404  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W35D010SL-HM63040940-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

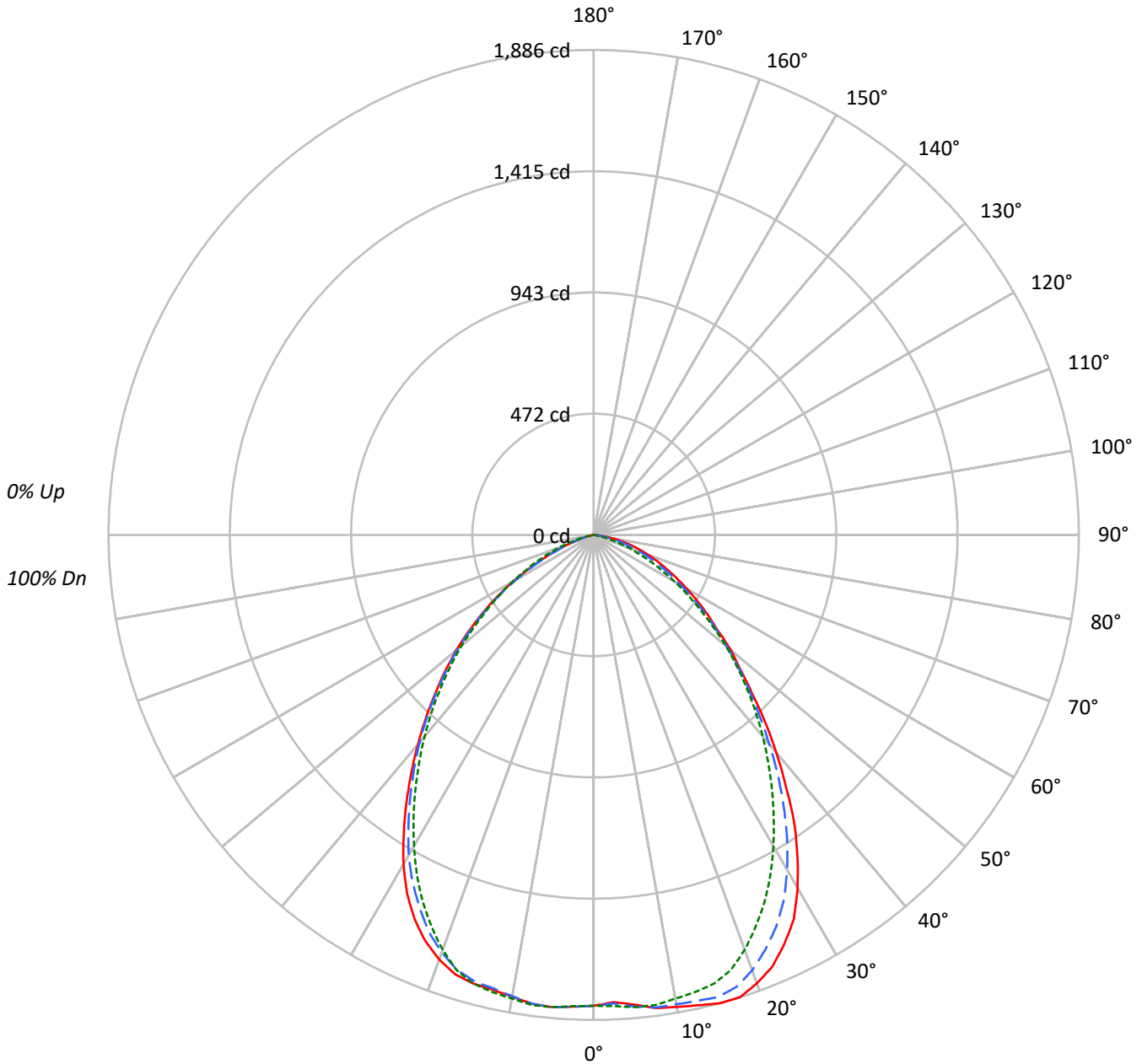
Lumens per Lamp: N/A  
Luminaire Lumens: 3696.9 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582404  
CATALOG NUMBER: HCC6W35D010SL-HM63040940-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582404

CATALOG NUMBER: HCC6W35D010SL-HM63040940-61RWWC

**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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68			68
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60			60
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			53
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47			47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42			42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

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

	0°	90°	180°
0°	100381	100381	100381
5°	100902	101447	101447
10°	103733	101930	101518
15°	107027	102515	102515
20°	108276	100167	102483
25°	106107	95153	99659
30°	100364	88425	93609
35°	90828	80863	84852
40°	79012	73158	76000
45°	67519	65216	67519
50°	59248	57141	59469
55°	51697	48142	50034
60°	45709	39986	39449
65°	40549	31547	27033
70°	35807	22279	16317
75°	30479	12603	7879
80°	22730	3915	2368
85°	12454	1572	1572



TEST NUMBER: P582404

CATALOG NUMBER: HCC6W35D010SL-HM63040940-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.7	4.8
10°-20°	513.9	13.9
20°-30°	750.6	20.3
30°-40°	787.2	21.3
40°-50°	663.2	17.9
50°-60°	464.6	12.6
60°-70°	249.1	6.7
70°-80°	83.5	2.3
80°-90°	9.1	0.2
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°	1440.1	39.0
0°-40°	2227.3	60.2
0°-60°	3355.1	90.8
0°-90°	3696.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3696.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1831	1831	1831	1831	1831	
5°	1834	1841	1844	1844	1844	176
15°	1886	1861	1806	1796	1806	532
25°	1754	1680	1573	1600	1648	804
35°	1357	1288	1208	1243	1268	842
45°	871	856	841	864	871	678
55°	541	524	504	514	524	487
65°	313	285	243	201	208	312
75°	144	112	60	37	37	153
85°	20	10	2	2	2	27
90°	0	0	0	0	0	

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



TEST NUMBER: P582404

CATALOG NUMBER: HCC6W35D010SL-HM63040940-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1831.1	1831.1	1831.1	1831.1	1831.1	1831.1	1831.1	1831.1	1831.1
2.5°	1818.8	1818.8	1823.7	1828.7	1833.6	1833.6	1836.2	1838.6	1836.2
5°	1833.6	1833.6	1841.1	1843.5	1843.5	1841.1	1843.5	1843.5	1843.5
7.5°	1856.0	1851.0	1853.4	1848.5	1843.5	1841.1	1838.6	1838.6	1838.6
10°	1863.5	1858.4	1853.4	1843.5	1831.1	1823.7	1821.2	1823.7	1823.7
12.5°	1873.4	1868.4	1856.0	1836.2	1821.2	1808.8	1806.3	1811.3	1811.3
15°	1885.8	1880.7	1860.9	1828.7	1806.3	1793.9	1796.4	1801.4	1806.3
17.5°	1885.8	1875.8	1843.5	1801.4	1774.1	1761.7	1771.6	1784.0	1791.5
20°	1856.0	1846.1	1801.4	1749.2	1717.0	1709.5	1726.9	1749.2	1756.7
22.5°	1816.3	1796.4	1744.3	1682.2	1647.6	1647.6	1672.3	1699.6	1709.5
25°	1754.2	1739.3	1679.8	1607.9	1573.1	1570.7	1600.4	1637.7	1647.6
27.5°	1684.8	1665.0	1600.4	1526.0	1488.7	1491.2	1523.5	1560.7	1570.7
30°	1585.5	1560.7	1503.7	1431.7	1396.9	1406.8	1439.1	1466.5	1478.8
32.5°	1473.8	1451.5	1399.5	1332.5	1302.6	1312.5	1339.8	1364.7	1374.6
35°	1357.2	1332.5	1287.8	1228.3	1208.3	1218.2	1243.1	1262.9	1267.9
37.5°	1225.7	1208.3	1176.1	1129.0	1114.0	1126.5	1146.3	1158.7	1163.7
40°	1104.1	1089.3	1062.0	1027.2	1022.3	1032.2	1052.1	1059.5	1062.0
42.5°	985.1	972.7	955.3	930.4	930.4	940.4	957.8	962.8	965.2
45°	870.9	863.5	856.0	836.2	841.2	853.5	863.5	870.9	870.9
47.5°	771.6	774.2	764.3	749.3	754.3	766.7	774.2	781.5	781.5
50°	694.7	687.2	677.3	662.5	670.0	679.9	689.8	694.7	697.3
52.5°	605.4	603.0	595.5	578.1	583.0	588.1	598.0	605.4	607.9
55°	540.9	533.4	523.5	503.7	503.7	508.7	513.6	518.6	523.5
57.5°	478.9	471.5	456.5	434.2	431.8	431.8	429.2	434.2	441.7
60°	416.9	414.4	392.0	372.2	364.7	357.3	347.4	349.9	359.8
62.5°	362.2	357.3	337.5	312.6	297.7	285.3	273.0	270.5	280.4
65°	312.6	307.6	285.3	260.5	243.2	220.8	201.0	201.0	208.4
67.5°	267.9	258.0	238.2	210.9	188.6	161.3	141.4	146.3	148.9
70°	223.4	215.9	193.5	166.3	139.0	111.7	99.2	101.8	101.8
72.5°	183.6	173.6	151.4	124.1	96.7	72.0	67.0	64.5	64.5
75°	143.9	134.0	111.7	84.4	59.5	42.1	37.2	37.2	37.2
77.5°	104.2	96.7	76.9	52.0	32.2	19.8	17.4	14.9	14.9
80°	72.0	64.5	47.1	27.3	12.4	7.5	7.5	7.5	7.5
82.5°	42.1	34.8	22.3	12.4	5.0	2.5	2.5	2.5	2.5
85°	19.8	14.9	9.9	5.0	2.5	2.5	2.5	2.5	2.5
87.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	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)