

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: P582395

Luminaire Tested: **HCC6W35D010BZ-HM63040935-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582395  
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: HCC6W35D010BZ-HM63040935-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

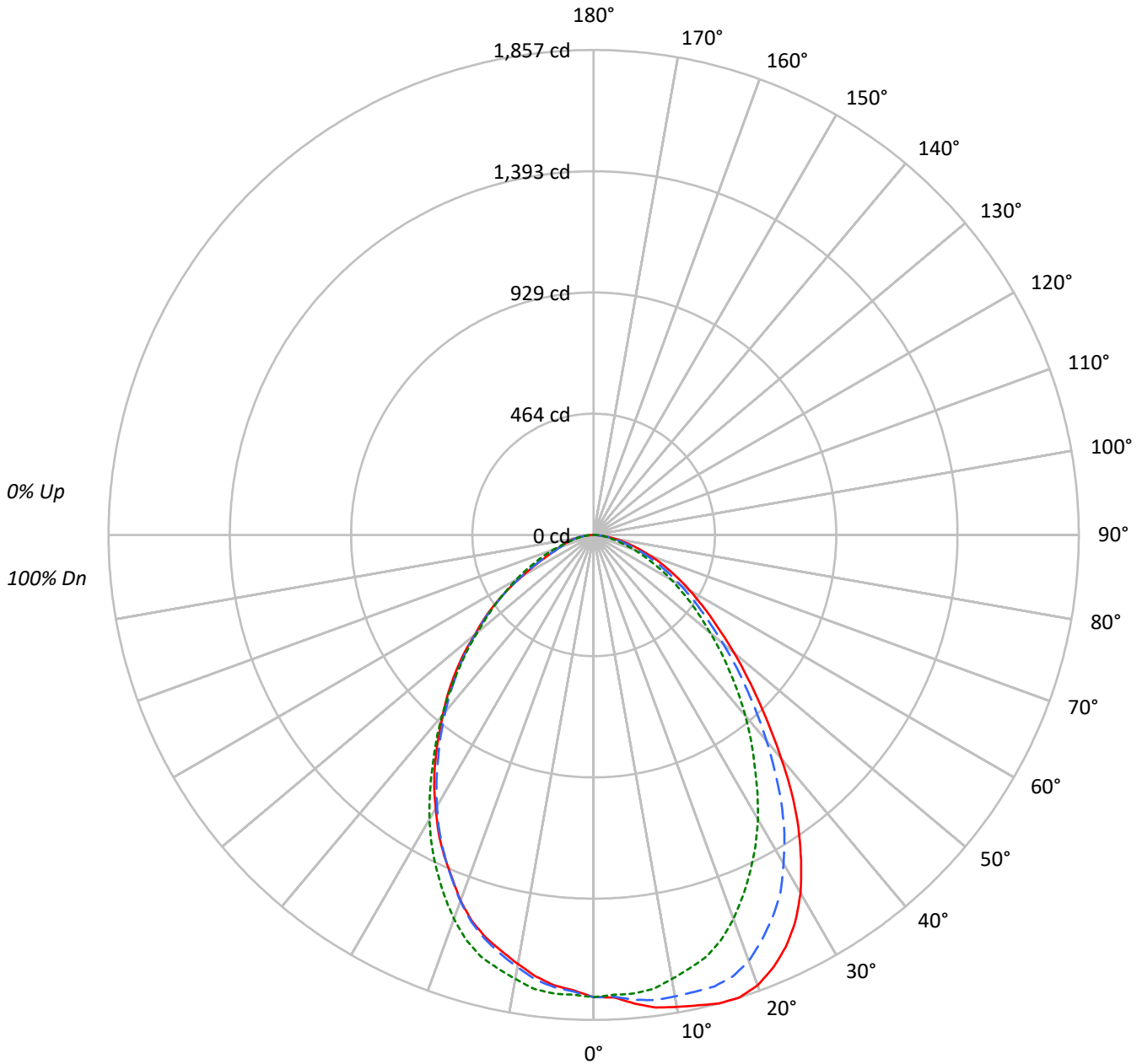
Lumens per Lamp: N/A  
Luminaire Lumens: 3466.1 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582395  
CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582395

CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61WWWB

**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	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°	97026	97026	97026
5°	99130	96995	95267
10°	102158	96096	92867
15°	105387	94825	90568
20°	107063	91265	86889
25°	105302	85850	81906
30°	100250	79588	76524
35°	91424	71842	70711
40°	79943	64542	64199
45°	68798	56797	58115
50°	59793	49491	50523
55°	52223	43439	43908
60°	46400	37640	34460
65°	41405	31690	26345
70°	36432	25966	22087
75°	31242	20482	20990
80°	25193	17584	20583
85°	16731	15222	18304



TEST NUMBER: P582395

CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.6	4.8
10°-20°	477.1	13.8
20°-30°	681.0	19.6
30°-40°	713.3	20.6
40°-50°	600.6	17.3
50°-60°	427.5	12.3
60°-70°	250.2	7.2
70°-80°	118.4	3.4
80°-90°	30.5	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°	1325.6	38.2
0°-40°	2039.0	58.8
0°-60°	3067.0	88.5
0°-90°	3466.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3466.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1770	1770	1770	1770	1770	
5°	1801	1787	1763	1738	1731	173
15°	1857	1789	1671	1603	1596	524
25°	1741	1618	1419	1352	1354	797
35°	1366	1252	1074	1037	1057	848
45°	887	822	733	735	750	689
55°	546	500	454	454	459	492
65°	319	283	244	206	203	318
75°	148	123	97	94	99	158
85°	27	22	24	29	29	35
90°	0	0	0	0	0	

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



TEST NUMBER: P582395

CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1769.9	1769.9	1769.9	1769.9	1769.9	1769.9	1769.9	1769.9	1769.9
2.5°	1772.3	1772.3	1769.9	1767.5	1762.6	1755.4	1750.5	1745.7	1745.7
5°	1801.4	1796.5	1786.8	1774.8	1762.6	1748.2	1738.5	1731.2	1731.2
7.5°	1825.5	1815.9	1796.5	1774.8	1753.0	1733.6	1716.7	1707.1	1704.6
10°	1835.2	1823.1	1794.0	1760.2	1726.3	1699.7	1680.5	1668.3	1668.3
12.5°	1844.9	1830.3	1791.7	1743.3	1699.7	1663.6	1644.2	1634.5	1632.0
15°	1856.9	1837.6	1789.2	1728.8	1670.8	1629.7	1603.1	1595.8	1595.8
17.5°	1856.9	1832.8	1772.3	1697.4	1624.8	1578.8	1554.7	1547.4	1549.9
20°	1835.2	1808.6	1736.0	1644.2	1564.4	1516.0	1491.9	1487.0	1489.4
22.5°	1794.0	1762.6	1680.5	1581.3	1494.2	1443.5	1421.8	1421.8	1419.3
25°	1740.9	1707.1	1617.6	1513.6	1419.3	1368.5	1351.6	1354.1	1354.1
27.5°	1670.8	1637.0	1547.4	1436.2	1341.9	1291.2	1279.0	1283.9	1286.3
30°	1583.7	1547.4	1453.1	1344.4	1257.3	1206.6	1199.3	1206.6	1208.9
32.5°	1477.3	1450.7	1358.9	1247.6	1165.5	1122.0	1119.5	1126.7	1136.4
35°	1366.1	1337.1	1252.4	1150.9	1073.5	1037.2	1037.2	1049.4	1056.6
37.5°	1245.2	1216.2	1138.9	1054.2	988.9	955.1	959.9	972.0	974.4
40°	1117.1	1095.3	1030.0	957.5	901.9	875.2	882.5	894.6	897.1
42.5°	996.2	976.8	923.7	858.3	817.3	797.9	807.6	822.0	826.9
45°	887.4	865.6	822.0	766.5	732.6	723.0	735.1	744.7	749.6
47.5°	788.2	768.9	732.6	681.9	657.7	652.8	665.0	669.7	674.6
50°	701.1	681.9	645.6	599.6	580.3	580.3	589.9	594.8	592.4
52.5°	616.5	599.6	565.8	527.1	515.0	515.0	522.2	524.7	529.5
55°	546.4	529.5	500.5	464.2	454.5	449.8	454.5	454.5	459.4
57.5°	481.2	466.7	440.1	406.2	394.1	389.3	386.9	384.4	389.3
60°	423.2	411.0	382.1	353.0	343.3	331.2	321.6	311.9	314.3
62.5°	369.9	357.8	331.2	302.3	292.6	275.6	263.5	251.5	256.3
65°	319.2	307.0	282.9	258.7	244.3	224.9	205.5	198.3	203.1
67.5°	273.2	263.5	239.4	215.2	203.1	181.4	162.0	162.0	164.4
70°	227.3	217.6	198.3	176.5	162.0	142.6	135.4	137.8	137.8
72.5°	186.1	178.9	159.5	140.3	125.7	113.7	113.7	116.1	118.5
75°	147.5	142.6	123.4	106.4	96.7	89.5	94.3	96.7	99.1
77.5°	113.7	106.4	91.8	79.8	72.6	74.9	79.8	82.2	84.6
80°	79.8	77.4	65.2	58.0	55.7	58.0	62.9	65.2	65.2
82.5°	50.8	48.3	41.1	38.7	38.7	41.1	46.0	46.0	46.0
85°	26.6	24.2	21.7	21.7	24.2	26.6	29.1	29.1	29.1
87.5°	9.7	7.2	9.7	9.7	12.1	12.1	12.1	12.1	12.1
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)