

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: P582304

Luminaire Tested: **HCC6S35D010BZ-HM63040830-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582304
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: HCC6S35D010BZ-HM63040830-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

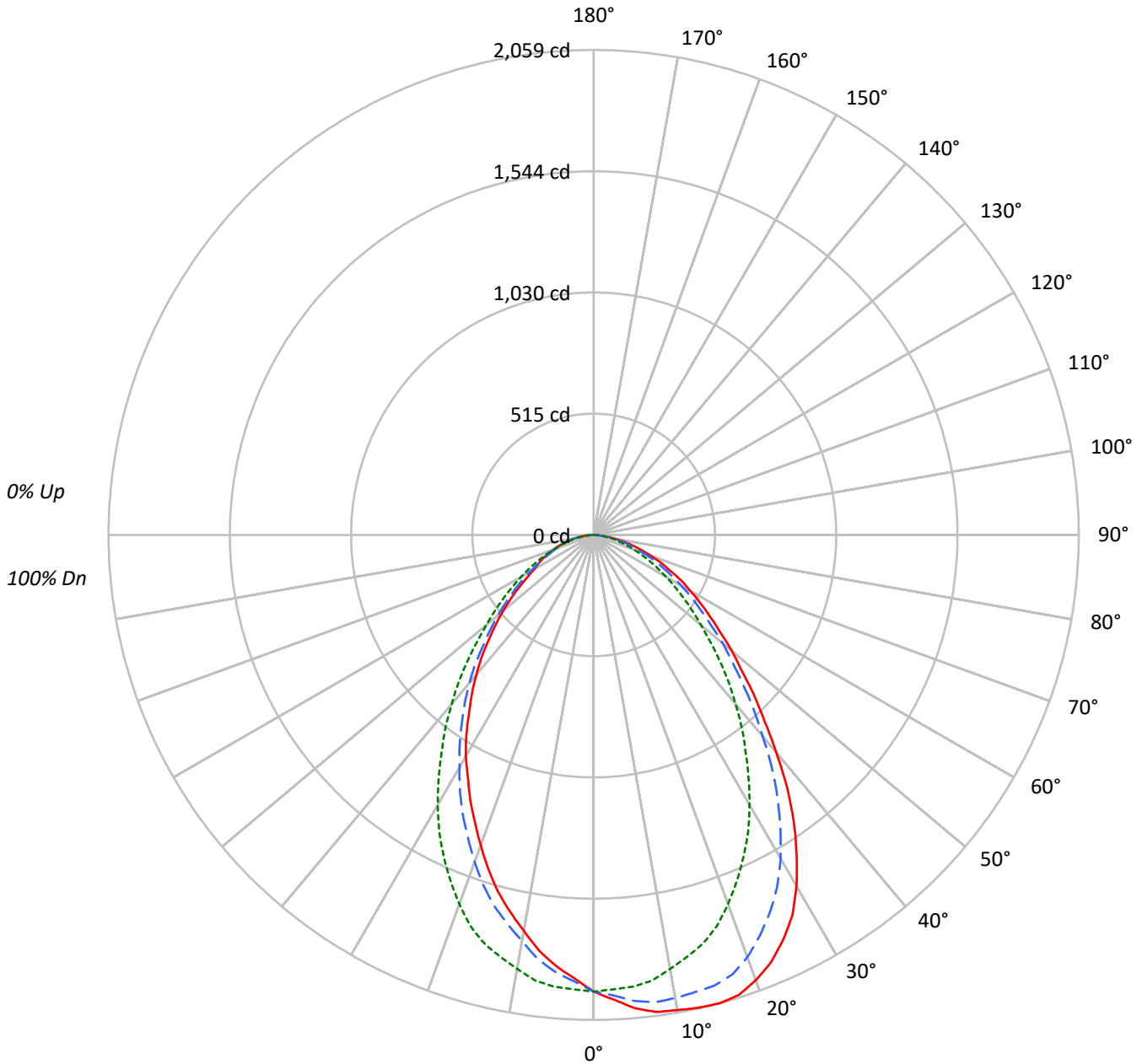
Lumens per Lamp: N/A
Luminaire Lumens: 3611.4 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582304
CATALOG NUMBER: HCC6S35D010BZ-HM63040830-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P582304

CATALOG NUMBER: HCC6S35D010BZ-HM63040830-61WWW

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°	106280	106280	106280
5°	110995	105970	101089
10°	114020	104145	94994
15°	116845	101885	89002
20°	117365	97273	81744
25°	114902	91064	74974
30°	109010	83741	68713
35°	99013	75262	61643
40°	86269	67040	55461
45°	74651	58665	48757
50°	65200	50523	42728
55°	57613	44395	36663
60°	51783	38911	31752
65°	46373	33843	30807
70°	41417	28867	28867
75°	35923	24316	27090
80°	28855	20583	24719
85°	19687	18052	21386



TEST NUMBER: P582304
 CATALOG NUMBER: HCC6S35D010BZ-HM63040830-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	5.0
10°-20°	506.5	14.0
20°-30°	705.9	19.5
30°-40°	727.3	20.1
40°-50°	602.8	16.7
50°-60°	433.2	12.0
60°-70°	275.9	7.6
70°-80°	141.7	3.9
80°-90°	36.0	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°	1394.6	38.6
0°-40°	2121.9	58.8
0°-60°	3157.9	87.4
0°-90°	3611.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3611.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1939	1939	1939	1939	1939	
5°	2017	1986	1926	1863	1837	193
15°	2059	1980	1795	1631	1568	580
25°	1900	1769	1506	1312	1240	870
35°	1480	1359	1125	976	921	919
45°	963	895	757	660	629	745
55°	603	553	464	412	384	543
65°	358	318	261	227	238	358
75°	170	146	115	120	128	181
85°	31	29	29	31	34	40
90°	0	0	0	0	0	

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



TEST NUMBER: P582304

CATALOG NUMBER: HCC6S35D010BZ-HM63040830-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7
2.5°	1975.3	1967.4	1957.1	1946.6	1930.9	1912.6	1897.0	1891.8	1883.9
5°	2017.0	2006.5	1985.8	1959.6	1925.7	1891.8	1863.1	1844.8	1837.0
7.5°	2043.1	2030.1	2001.4	1957.1	1907.5	1857.9	1816.1	1790.1	1779.6
10°	2048.3	2035.2	1996.2	1936.2	1870.9	1803.0	1750.9	1719.6	1706.5
12.5°	2056.1	2037.9	1988.3	1917.8	1834.4	1756.1	1690.9	1651.8	1638.7
15°	2058.8	2037.9	1980.5	1894.4	1795.2	1701.3	1630.9	1583.9	1568.2
17.5°	2048.3	2024.9	1957.1	1852.6	1740.5	1641.3	1557.8	1508.2	1487.3
20°	2011.8	1985.8	1907.5	1790.1	1667.4	1563.0	1476.8	1424.7	1401.2
22.5°	1964.9	1930.9	1842.2	1716.9	1589.1	1479.5	1393.4	1341.2	1317.7
25°	1899.6	1868.3	1769.2	1636.0	1505.5	1390.8	1312.5	1257.7	1239.5
27.5°	1823.9	1787.4	1685.6	1552.6	1419.5	1304.7	1229.0	1179.4	1155.9
30°	1722.1	1688.3	1586.5	1453.4	1322.9	1215.9	1137.7	1095.9	1085.5
32.5°	1602.2	1573.5	1474.3	1349.1	1223.8	1124.6	1059.4	1015.1	1004.6
35°	1479.5	1445.6	1359.4	1242.0	1124.6	1035.9	975.8	936.8	921.1
37.5°	1346.4	1315.1	1242.0	1137.7	1033.3	949.8	897.7	863.7	848.1
40°	1205.5	1182.1	1114.1	1030.7	936.8	863.7	819.4	790.6	775.0
42.5°	1075.0	1051.6	1004.6	926.4	848.1	782.8	743.6	717.6	704.5
45°	962.9	942.0	895.0	827.2	756.7	702.0	660.2	641.8	628.9
47.5°	850.6	840.2	798.5	735.8	670.6	623.6	594.9	574.0	563.7
50°	764.5	751.5	712.3	647.1	592.4	555.8	529.7	511.4	501.0
52.5°	675.8	662.7	626.2	571.5	527.1	493.2	467.0	451.4	441.0
55°	602.8	592.4	553.2	503.6	464.5	435.8	412.3	394.0	383.6
57.5°	535.0	524.4	487.9	441.0	407.0	380.9	360.1	344.4	331.4
60°	472.3	464.5	427.9	383.6	354.9	328.7	310.5	297.5	289.6
62.5°	417.6	401.8	370.5	331.4	305.3	284.4	266.2	258.4	263.5
65°	357.5	349.6	318.4	284.4	260.9	240.1	227.0	232.2	237.5
67.5°	307.9	297.5	271.3	240.1	219.2	203.5	195.7	206.1	208.8
70°	258.4	247.9	224.4	198.3	180.1	169.6	169.6	177.4	180.1
72.5°	211.3	203.5	182.6	161.7	148.7	140.9	146.1	151.4	153.9
75°	169.6	161.7	146.1	127.9	114.8	114.8	120.1	125.2	127.9
77.5°	130.5	125.2	109.6	96.5	91.4	91.4	96.5	99.2	101.8
80°	91.4	86.1	78.3	70.5	65.2	70.5	75.6	75.6	78.3
82.5°	60.0	57.4	52.2	46.9	46.9	49.6	52.2	54.8	54.8
85°	31.3	31.3	28.7	26.1	28.7	31.3	31.3	34.0	34.0
87.5°	10.4	10.4	10.4	10.4	13.1	13.1	13.1	13.1	13.1
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)