

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: P582303

Luminaire Tested: **HCC6W35D010MW-HM63040830-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W35D010MW-HM63040830-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

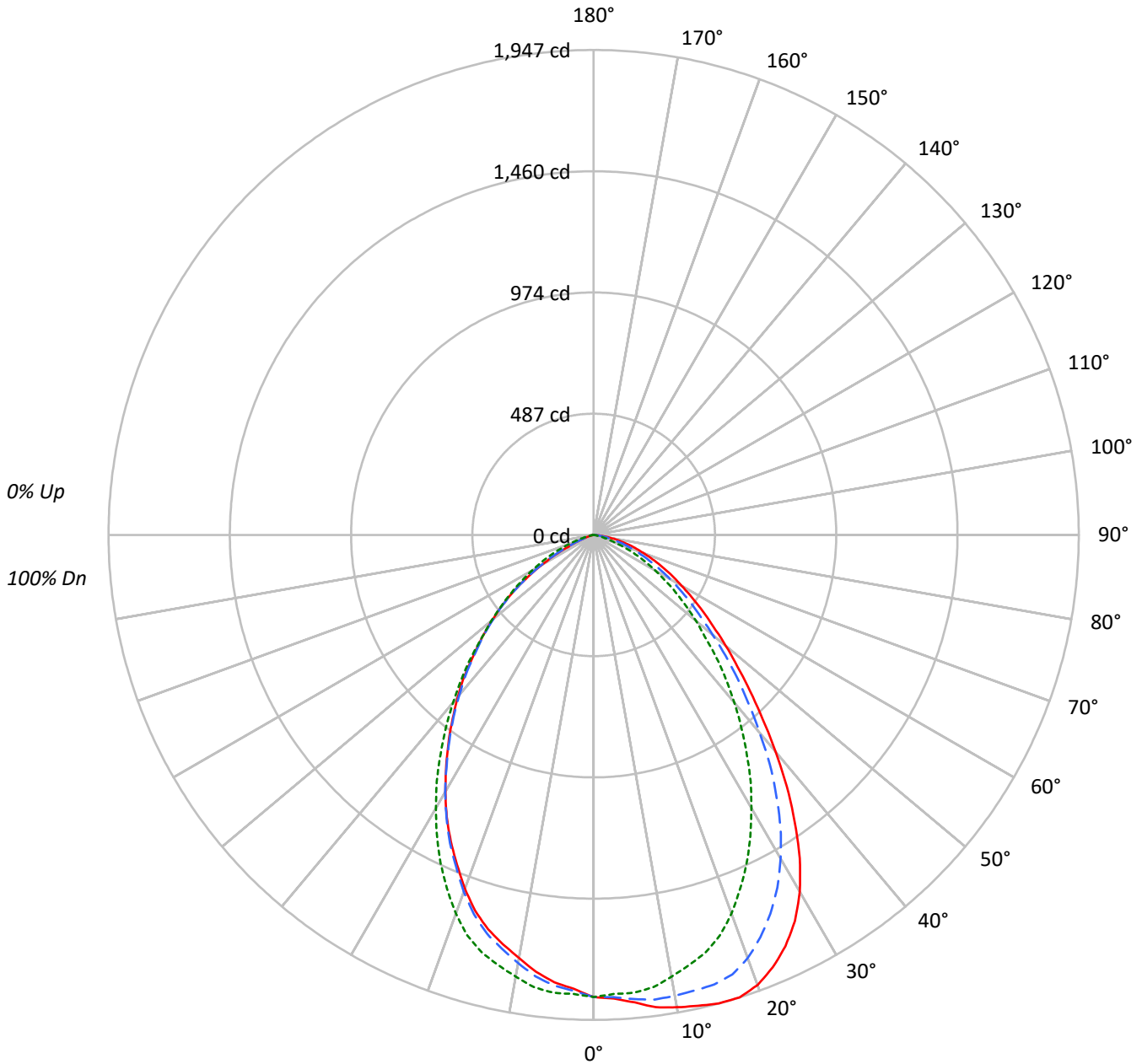
Lumens per Lamp: N/A
Luminaire Lumens: 3306.1 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582303
CATALOG NUMBER: HCC6W35D010MW-HM63040830-61WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P582303

CATALOG NUMBER: HCC6W35D010MW-HM63040830-61WWBB

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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	101708	101708	101708
5°	103676	101519	99224
10°	107196	100221	96012
15°	110477	98480	93003
20°	112191	94380	88138
25°	110166	87912	82075
30°	104719	80107	75322
35°	94127	71594	67934
40°	81224	62746	60692
45°	68782	54013	52602
50°	58966	45627	45175
55°	51133	38402	36911
60°	44624	31182	26325
65°	39265	24036	14541
70°	33868	15900	7101
75°	28742	7731	2775
80°	22257	3283	1673
85°	13146	1635	1635



TEST NUMBER: P582303
 CATALOG NUMBER: HCC6W35D010MW-HM63040830-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	5.3
10°-20°	495.1	15.0
20°-30°	697.2	21.1
30°-40°	712.3	21.5
40°-50°	574.4	17.4
50°-60°	385.2	11.7
60°-70°	194.9	5.9
70°-80°	62.3	1.9
80°-90°	9.6	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°	1367.4	41.4
0°-40°	2079.7	62.9
0°-60°	3039.3	91.9
0°-90°	3306.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3306.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1855	1855	1855	1855	1855	
5°	1884	1871	1845	1816	1803	181
15°	1947	1868	1735	1657	1639	550
25°	1821	1678	1453	1365	1357	834
35°	1406	1279	1070	1010	1015	875
45°	887	817	697	673	678	690
55°	535	475	402	384	386	481
65°	303	251	185	123	112	302
75°	136	96	36	13	13	146
85°	21	10	3	3	3	28
90°	0	0	0	0	0	



TEST NUMBER: P582303

CATALOG NUMBER: HCC6W35D010MW-HM63040830-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1855.3	1855.3	1855.3	1855.3	1855.3	1855.3	1855.3	1855.3	1855.3
2.5°	1863.1	1860.4	1857.9	1852.6	1844.8	1837.0	1831.7	1826.6	1823.9
5°	1884.0	1878.8	1870.9	1860.4	1844.8	1826.6	1816.1	1805.7	1803.1
7.5°	1912.7	1902.2	1881.3	1857.9	1831.7	1805.7	1787.4	1777.0	1769.2
10°	1925.7	1907.5	1878.8	1839.7	1800.4	1769.2	1745.7	1730.0	1724.8
12.5°	1936.2	1915.3	1873.5	1821.3	1769.2	1727.4	1701.3	1688.3	1683.0
15°	1946.6	1925.7	1868.4	1800.4	1735.2	1685.6	1656.9	1644.0	1638.7
17.5°	1946.6	1917.8	1850.0	1763.9	1685.6	1625.6	1596.9	1583.9	1581.3
20°	1923.1	1891.8	1808.3	1706.5	1617.8	1550.0	1523.9	1516.0	1510.8
22.5°	1878.8	1842.2	1748.3	1633.4	1536.9	1471.7	1443.0	1437.7	1432.5
25°	1821.3	1784.8	1677.8	1555.1	1453.4	1388.1	1364.7	1359.4	1356.9
27.5°	1748.3	1709.2	1596.9	1471.7	1362.1	1299.5	1278.6	1278.6	1276.0
30°	1654.3	1610.0	1500.4	1375.2	1265.5	1208.2	1192.4	1192.4	1189.9
32.5°	1539.5	1495.2	1396.0	1276.0	1171.6	1111.6	1098.5	1103.7	1101.2
35°	1406.5	1369.9	1278.6	1161.2	1069.8	1015.1	1009.8	1015.1	1015.1
37.5°	1273.4	1239.5	1161.2	1059.4	973.3	923.7	923.7	931.5	928.9
40°	1135.0	1109.0	1035.9	947.3	876.8	842.8	837.6	845.5	848.1
42.5°	1004.6	983.8	921.1	848.1	785.4	751.5	759.4	764.5	767.2
45°	887.2	866.3	816.8	741.0	696.7	673.2	673.2	681.1	678.5
47.5°	782.8	767.2	717.6	644.5	605.3	594.9	600.2	605.3	605.3
50°	691.4	668.0	621.1	563.7	535.0	521.9	527.1	529.7	529.7
52.5°	605.3	589.7	542.8	490.6	464.5	456.6	456.6	459.2	459.2
55°	535.0	516.6	474.9	422.7	401.8	391.4	383.6	381.0	386.2
57.5°	467.0	451.4	412.3	362.7	339.2	328.7	313.1	307.9	313.1
60°	407.0	394.0	354.9	307.9	284.4	263.5	245.3	234.8	240.1
62.5°	354.9	339.2	300.0	260.9	234.8	211.3	182.6	167.0	174.8
65°	302.7	289.6	250.6	211.3	185.3	156.6	122.7	112.1	112.1
67.5°	255.7	242.6	206.1	172.2	140.9	107.0	75.6	73.1	75.6
70°	211.3	198.3	167.0	133.0	99.2	65.2	44.3	44.3	44.3
72.5°	174.8	159.2	130.5	96.5	62.7	34.0	23.5	26.1	26.1
75°	135.7	122.7	96.5	65.2	36.5	15.6	13.1	13.1	13.1
77.5°	101.8	91.4	67.8	41.8	18.3	5.3	5.3	5.3	5.3
80°	70.5	60.0	44.3	26.1	10.4	5.3	5.3	5.3	5.3
82.5°	41.8	36.5	26.1	13.1	5.3	2.6	2.6	2.6	2.6
85°	20.9	18.3	10.4	5.3	2.6	2.6	2.6	2.6	2.6
87.5°	5.3	5.3	2.6	2.6	0.0	2.6	2.6	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)