

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: P582375

Luminaire Tested: **HCC6S35D010MB-HM63040930-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582375
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: HCC6S35D010MB-HM63040930-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

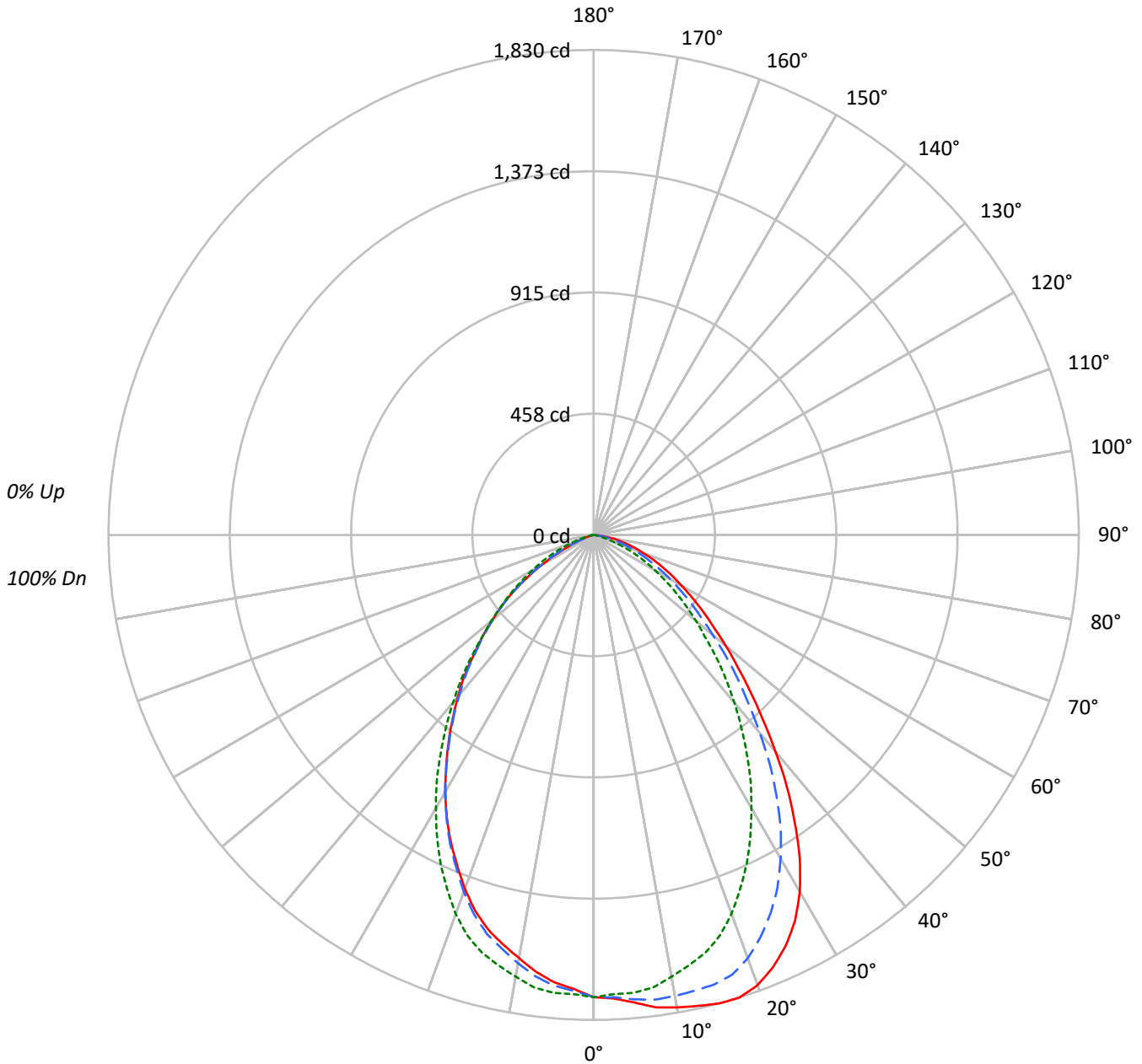
Lumens per Lamp: N/A
Luminaire Lumens: 3108.1 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (A_{in}): 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: P582375
CATALOG NUMBER: HCC6S35D010MB-HM63040930-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582375

CATALOG NUMBER: HCC6S35D010MB-HM63040930-61WWBB

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°	95612	95612	95612
5°	97468	95438	93281
10°	100777	94220	90257
15°	103860	92577	87435
20°	105470	88733	82864
25°	103566	82644	77158
30°	98452	75315	70808
35°	88486	67305	63865
40°	76365	58989	57057
45°	64666	50773	49447
50°	55435	42890	42472
55°	48065	36109	34704
60°	41959	29318	24746
65°	36904	22583	13685
70°	31848	14938	6684
75°	27027	7265	2605
80°	20931	3094	1547
85°	12328	1572	1572



TEST NUMBER: P582375
 CATALOG NUMBER: HCC6S35D010MB-HM63040930-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.6	5.3
10°-20°	465.4	15.0
20°-30°	655.4	21.1
30°-40°	669.7	21.5
40°-50°	539.9	17.4
50°-60°	362.2	11.7
60°-70°	183.3	5.9
70°-80°	58.6	1.9
80°-90°	9.0	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°	1285.5	41.4
0°-40°	1955.1	62.9
0°-60°	2857.2	91.9
0°-90°	3108.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3108.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1744	1744	1744	1744	1744	
5°	1771	1759	1734	1707	1695	171
15°	1830	1756	1631	1558	1541	517
25°	1712	1577	1366	1283	1276	784
35°	1322	1202	1006	949	954	823
45°	834	768	655	633	638	649
55°	503	446	378	361	363	452
65°	284	236	174	115	106	284
75°	128	91	34	12	12	137
85°	20	10	2	2	2	26
90°	0	0	0	0	0	



TEST NUMBER: P582375

CATALOG NUMBER: HCC6S35D010MB-HM63040930-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1
2.5°	1751.4	1749.0	1746.5	1741.6	1734.3	1726.9	1722.0	1717.1	1714.7
5°	1771.2	1766.3	1758.9	1749.0	1734.3	1717.1	1707.3	1697.5	1695.1
7.5°	1798.1	1788.3	1768.7	1746.5	1722.0	1697.5	1680.4	1670.6	1663.2
10°	1810.4	1793.2	1766.3	1729.4	1692.6	1663.2	1641.2	1626.3	1621.4
12.5°	1820.2	1800.6	1761.4	1712.2	1663.2	1623.9	1599.4	1587.1	1582.2
15°	1830.0	1810.4	1756.3	1692.6	1631.2	1584.7	1557.7	1545.5	1540.6
17.5°	1830.0	1803.0	1739.2	1658.3	1584.7	1528.3	1501.2	1489.0	1486.5
20°	1807.9	1778.5	1700.0	1604.3	1521.0	1457.1	1432.6	1425.3	1420.4
22.5°	1766.3	1731.8	1643.6	1535.7	1444.9	1383.5	1356.5	1351.6	1346.7
25°	1712.2	1677.9	1577.3	1462.0	1366.3	1305.1	1283.0	1278.1	1275.6
27.5°	1643.6	1606.7	1501.2	1383.5	1280.5	1221.6	1202.0	1202.0	1199.6
30°	1555.3	1513.5	1410.6	1292.8	1189.8	1135.7	1121.0	1121.0	1118.6
32.5°	1447.3	1405.7	1312.4	1199.6	1101.4	1045.0	1032.8	1037.7	1035.2
35°	1322.2	1287.9	1202.0	1091.6	1005.7	954.3	949.4	954.3	954.3
37.5°	1197.1	1165.2	1091.6	995.9	915.0	868.4	868.4	875.7	873.3
40°	1067.1	1042.6	973.9	890.4	824.3	792.4	787.4	794.8	797.3
42.5°	944.5	924.8	865.9	797.3	738.4	706.5	713.9	718.8	721.2
45°	834.1	814.4	767.8	696.7	654.9	632.9	632.9	640.2	637.8
47.5°	735.9	721.2	674.6	605.9	569.1	559.3	564.2	569.1	569.1
50°	650.0	628.0	583.9	529.8	502.9	490.6	495.5	498.0	498.0
52.5°	569.1	554.4	510.2	461.2	436.7	429.3	429.3	431.8	431.8
55°	502.9	485.7	446.5	397.4	377.8	368.0	360.6	358.2	363.1
57.5°	439.1	424.4	387.6	341.0	318.9	309.1	294.3	289.4	294.3
60°	382.7	370.4	333.6	289.4	267.4	247.8	230.6	220.8	225.7
62.5°	333.6	318.9	282.1	245.3	220.8	198.7	171.7	157.0	164.3
65°	284.5	272.3	235.5	198.7	174.1	147.2	115.3	105.5	105.5
67.5°	240.4	228.1	193.8	161.9	132.5	100.6	71.2	68.7	71.2
70°	198.7	186.5	157.0	125.1	93.2	61.4	41.7	41.7	41.7
72.5°	164.3	149.6	122.7	90.8	58.8	31.9	22.1	24.5	24.5
75°	127.6	115.3	90.8	61.4	34.3	14.7	12.3	12.3	12.3
77.5°	95.7	85.9	63.8	39.2	17.2	4.9	4.9	4.9	4.9
80°	66.3	56.4	41.7	24.5	9.8	4.9	4.9	4.9	4.9
82.5°	39.2	34.3	24.5	12.3	4.9	2.5	2.5	2.5	2.5
85°	19.6	17.2	9.8	4.9	2.5	2.5	2.5	2.5	2.5
87.5°	4.9	4.9	2.5	2.5	0.0	2.5	2.5	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)