

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: P582495

Luminaire Tested: **HCC6W40D010MB-HM63040927-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W40D010MB-HM63040927-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

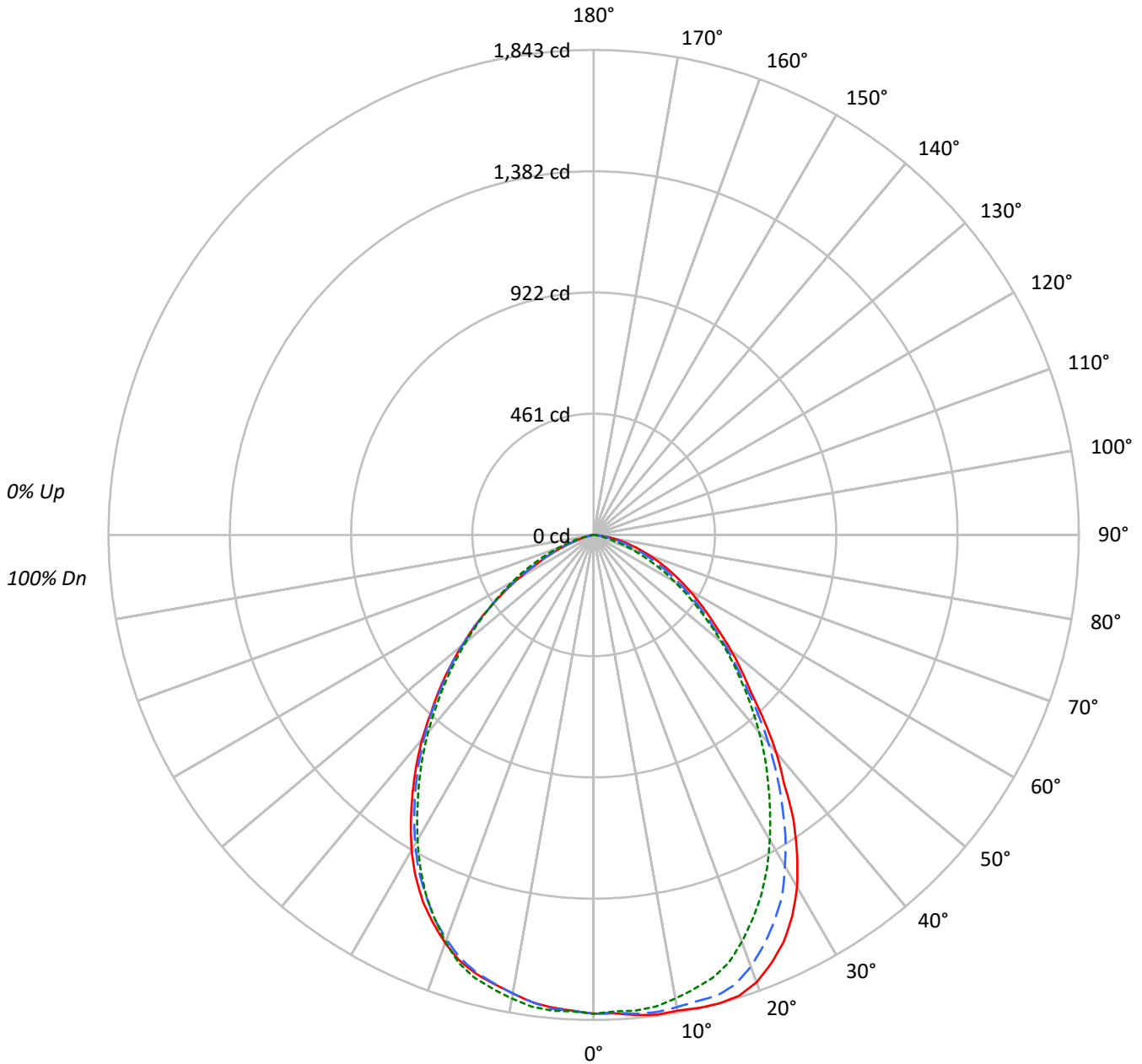
Lumens per Lamp: N/A
Luminaire Lumens: 3565.3 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P582495
CATALOG NUMBER: HCC6W40D010MB-HM63040927-61RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P582495

CATALOG NUMBER: HCC6W40D010MB-HM63040927-61RWWH

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	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	93	92	90	88					88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77					77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67					67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59					59			
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	61	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	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°	99751	99751	99751
5°	100781	99868	99207
10°	102214	99564	98495
15°	104620	98934	97991
20°	105587	95996	96270
25°	103276	91161	92890
30°	97819	84690	87551
35°	88573	77403	80274
40°	77137	69974	72529
45°	65449	61937	64154
50°	57968	54096	55529
55°	51057	46268	46039
60°	45753	38955	35819
65°	40834	31236	25684
70°	35920	22552	16044
75°	30310	13640	9087
80°	23330	6030	3757
85°	13523	1510	1510

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P582495

CATALOG NUMBER: HCC6W40D010MB-HM63040927-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	4.8
10°-20°	496.4	13.9
20°-30°	717.6	20.1
30°-40°	755.0	21.2
40°-50°	634.7	17.8
50°-60°	445.5	12.5
60°-70°	245.0	6.9
70°-80°	87.0	2.4
80°-90°	11.4	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°	1386.7	38.9
0°-40°	2141.7	60.1
0°-60°	3221.9	90.4
0°-90°	3565.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3565.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1820	1820	1820	1820	1820	
5°	1831	1827	1815	1808	1803	175
15°	1843	1812	1743	1722	1727	520
25°	1707	1622	1507	1510	1536	781
35°	1324	1247	1157	1180	1200	820
45°	844	820	799	818	828	662
55°	534	506	484	484	482	481
65°	315	281	241	198	198	313
75°	143	114	64	43	43	154
85°	22	12	2	2	2	30
90°	0	0	0	0	0	

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



TEST NUMBER: P582495

CATALOG NUMBER: HCC6W40D010MB-HM63040927-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1819.6	1819.6	1819.6	1819.6	1819.6	1819.6	1819.6	1819.6	1819.6
2.5°	1819.6	1819.6	1817.2	1817.2	1812.4	1812.4	1809.9	1809.9	1809.9
5°	1831.4	1831.4	1826.7	1819.6	1814.8	1807.6	1807.6	1805.2	1802.8
7.5°	1838.6	1836.2	1829.1	1819.6	1807.6	1795.7	1790.9	1793.3	1790.9
10°	1836.2	1831.4	1821.9	1802.8	1788.6	1771.8	1769.4	1767.1	1769.4
12.5°	1841.1	1833.8	1814.8	1790.9	1767.1	1747.9	1745.6	1745.6	1747.9
15°	1843.4	1836.2	1812.4	1776.6	1743.2	1724.2	1721.8	1724.2	1726.6
17.5°	1836.2	1826.7	1790.9	1743.2	1705.1	1685.9	1685.9	1690.8	1695.6
20°	1809.9	1795.7	1745.6	1688.3	1645.5	1631.2	1636.0	1645.5	1650.2
22.5°	1762.3	1745.6	1688.3	1624.0	1578.7	1566.7	1578.7	1590.6	1595.3
25°	1707.4	1688.3	1621.6	1554.8	1507.1	1492.8	1509.5	1528.6	1535.7
27.5°	1633.6	1612.1	1550.1	1473.7	1426.1	1418.8	1438.0	1459.5	1464.2
30°	1545.3	1521.5	1452.4	1380.7	1337.9	1335.5	1356.9	1376.0	1383.1
32.5°	1438.0	1416.5	1356.9	1285.4	1247.2	1247.2	1268.6	1285.4	1292.5
35°	1323.5	1299.6	1247.2	1187.6	1156.6	1159.0	1180.4	1192.4	1199.5
37.5°	1187.6	1180.4	1139.9	1089.8	1068.4	1073.1	1089.8	1099.4	1106.5
40°	1077.9	1058.8	1032.6	992.0	977.8	982.5	999.1	1008.8	1013.5
42.5°	958.6	946.8	925.3	896.7	887.2	894.3	908.5	915.8	913.4
45°	844.2	841.8	820.3	803.7	798.9	808.4	817.9	825.2	827.5
47.5°	760.7	751.2	732.0	720.2	715.4	724.9	734.6	739.3	739.3
50°	679.7	670.1	651.1	639.1	634.3	643.9	651.1	655.8	651.1
52.5°	598.6	589.1	572.3	558.1	555.7	560.4	562.8	565.2	569.9
55°	534.2	524.7	505.6	488.8	484.1	486.4	484.1	484.1	481.7
57.5°	472.2	462.6	443.6	424.5	417.3	415.0	407.8	405.5	403.0
60°	417.3	405.5	386.3	364.8	355.3	345.8	333.8	326.7	326.7
62.5°	364.8	353.0	331.5	312.3	298.1	281.3	262.3	252.7	252.7
65°	314.8	305.2	281.3	260.0	240.8	219.3	198.0	193.1	198.0
67.5°	267.1	257.6	233.7	212.2	188.4	162.1	143.1	143.1	147.9
70°	224.1	214.6	193.1	167.0	140.7	114.5	100.1	100.1	100.1
72.5°	183.6	174.1	150.2	126.4	100.1	73.9	66.7	69.1	66.7
75°	143.1	136.0	114.5	88.2	64.4	45.4	42.9	40.5	42.9
77.5°	107.4	100.1	81.1	57.2	35.7	26.2	23.9	23.9	23.9
80°	73.9	66.7	52.5	33.4	19.1	11.9	11.9	11.9	11.9
82.5°	45.4	38.1	28.6	16.8	7.1	7.1	7.1	7.1	7.1
85°	21.5	16.8	11.9	4.7	2.4	2.4	2.4	2.4	2.4
87.5°	4.7	4.7	2.4	2.4	0.0	2.4	2.4	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)