

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: P582323

Luminaire Tested: **HCC6S35D010MW-HM63040835-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582323
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: HCC6S35D010MW-HM63040835-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

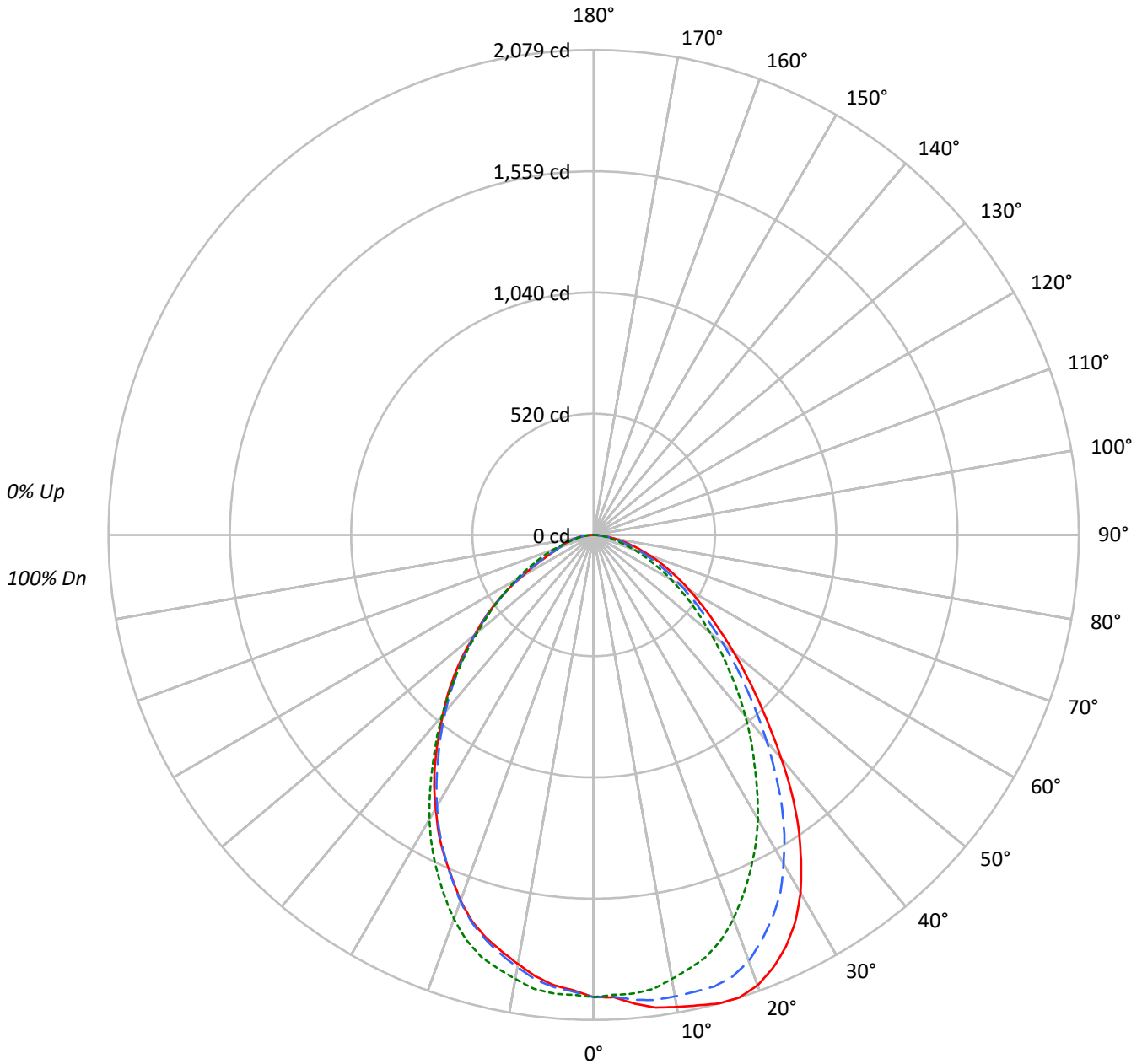
Lumens per Lamp: N/A
Luminaire Lumens: 3880.4 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582323
CATALOG NUMBER: HCC6S35D010MW-HM63040835-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582323

CATALOG NUMBER: HCC6S35D010MW-HM63040835-61WWWB

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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	108621	108621	108621
5°	110978	108595	106658
10°	114366	107591	103973
15°	117986	106158	101397
20°	119856	102174	97273
25°	117890	96114	91693
30°	112232	89102	85678
35°	102359	80435	79163
40°	89496	72257	71870
45°	77023	63588	65061
50°	66949	55410	56561
55°	58464	48639	49155
60°	51937	42146	38582
65°	46347	35464	29484
70°	40776	29075	24732
75°	34970	22939	23511
80°	28192	19636	23077
85°	18744	17046	20379



TEST NUMBER: P582323
 CATALOG NUMBER: HCC6S35D010MW-HM63040835-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	4.8
10°-20°	534.1	13.8
20°-30°	762.4	19.6
30°-40°	798.6	20.6
40°-50°	672.4	17.3
50°-60°	478.6	12.3
60°-70°	280.1	7.2
70°-80°	132.6	3.4
80°-90°	34.1	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°	1484.1	38.2
0°-40°	2282.7	58.8
0°-60°	3433.7	88.5
0°-90°	3880.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3880.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1981	1981	1981	1981	1981	
5°	2017	2000	1973	1946	1938	194
15°	2079	2003	1870	1795	1787	587
25°	1949	1811	1589	1513	1516	892
35°	1530	1402	1202	1161	1183	950
45°	994	920	820	823	839	771
55°	612	560	509	509	514	551
65°	357	317	273	230	227	356
75°	165	138	108	106	111	177
85°	30	24	27	32	32	39
90°	0	0	0	0	0	

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



TEST NUMBER: P582323

CATALOG NUMBER: HCC6S35D010MW-HM63040835-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4
2.5°	1984.1	1984.1	1981.4	1978.8	1973.4	1965.2	1959.9	1954.4	1954.4
5°	2016.7	2011.2	2000.5	1986.9	1973.4	1957.1	1946.3	1938.2	1938.2
7.5°	2043.8	2032.9	2011.2	1986.9	1962.5	1940.8	1921.9	1911.1	1908.4
10°	2054.5	2041.0	2008.5	1970.6	1932.8	1902.9	1881.3	1867.8	1867.8
12.5°	2065.4	2049.1	2005.8	1951.7	1902.9	1862.4	1840.7	1829.9	1827.2
15°	2078.9	2057.3	2003.2	1935.5	1870.5	1824.5	1794.7	1786.6	1786.6
17.5°	2078.9	2051.8	1984.1	1900.2	1819.0	1767.7	1740.6	1732.4	1735.1
20°	2054.5	2024.7	1943.5	1840.7	1751.4	1697.3	1670.2	1664.7	1667.4
22.5°	2008.5	1973.4	1881.3	1770.3	1672.9	1616.1	1591.7	1591.7	1589.0
25°	1949.0	1911.1	1811.0	1694.5	1589.0	1532.2	1513.1	1515.9	1515.9
27.5°	1870.5	1832.5	1732.4	1607.9	1502.4	1445.4	1431.9	1437.4	1440.1
30°	1773.0	1732.4	1626.9	1505.1	1407.6	1350.8	1342.6	1350.8	1353.5
32.5°	1654.0	1624.1	1521.3	1396.8	1304.7	1256.0	1253.4	1261.4	1272.3
35°	1529.5	1496.9	1402.2	1288.5	1201.9	1161.3	1161.3	1174.8	1182.9
37.5°	1394.1	1361.5	1274.9	1180.2	1107.1	1069.2	1074.7	1088.2	1090.9
40°	1250.6	1226.3	1153.1	1071.9	1009.7	979.9	988.0	1001.5	1004.3
42.5°	1115.3	1093.6	1034.1	960.9	914.9	893.3	904.1	920.4	925.8
45°	993.5	969.1	920.4	858.1	820.2	809.3	822.9	833.7	839.2
47.5°	882.5	860.8	820.2	763.3	736.3	730.9	744.4	749.8	755.3
50°	785.0	763.3	722.7	671.4	649.7	649.7	660.5	665.9	663.2
52.5°	690.3	671.4	633.4	590.2	576.6	576.6	584.7	587.4	592.8
55°	611.7	592.8	560.3	519.8	508.9	503.4	508.9	508.9	514.3
57.5°	538.7	522.5	492.7	454.8	441.2	435.8	433.1	430.4	435.8
60°	473.7	460.1	427.7	395.3	384.4	370.9	360.0	349.2	351.9
62.5°	414.2	400.6	370.9	338.3	327.6	308.6	295.0	281.5	287.0
65°	357.3	343.8	316.7	289.6	273.4	251.7	230.1	222.0	227.3
67.5°	305.9	295.0	267.9	240.9	227.3	203.1	181.4	181.4	184.0
70°	254.4	243.7	222.0	197.6	181.4	159.8	151.6	154.3	154.3
72.5°	208.4	200.3	178.7	157.0	140.7	127.2	127.2	129.9	132.7
75°	165.1	159.8	138.1	119.2	108.3	100.1	105.6	108.3	111.0
77.5°	127.2	119.2	102.8	89.3	81.2	83.9	89.3	92.1	94.8
80°	89.3	86.6	73.1	65.0	62.2	65.0	70.4	73.1	73.1
82.5°	56.8	54.1	46.0	43.3	43.3	46.0	51.5	51.5	51.5
85°	29.8	27.1	24.4	24.4	27.1	29.8	32.4	32.4	32.4
87.5°	10.9	8.2	10.9	10.9	13.5	13.5	13.5	13.5	13.5
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)