

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: P582466

Luminaire Tested: **HCC6W40D010SL-HM63040835-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582466
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: HCC6W40D010SL-HM63040835-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

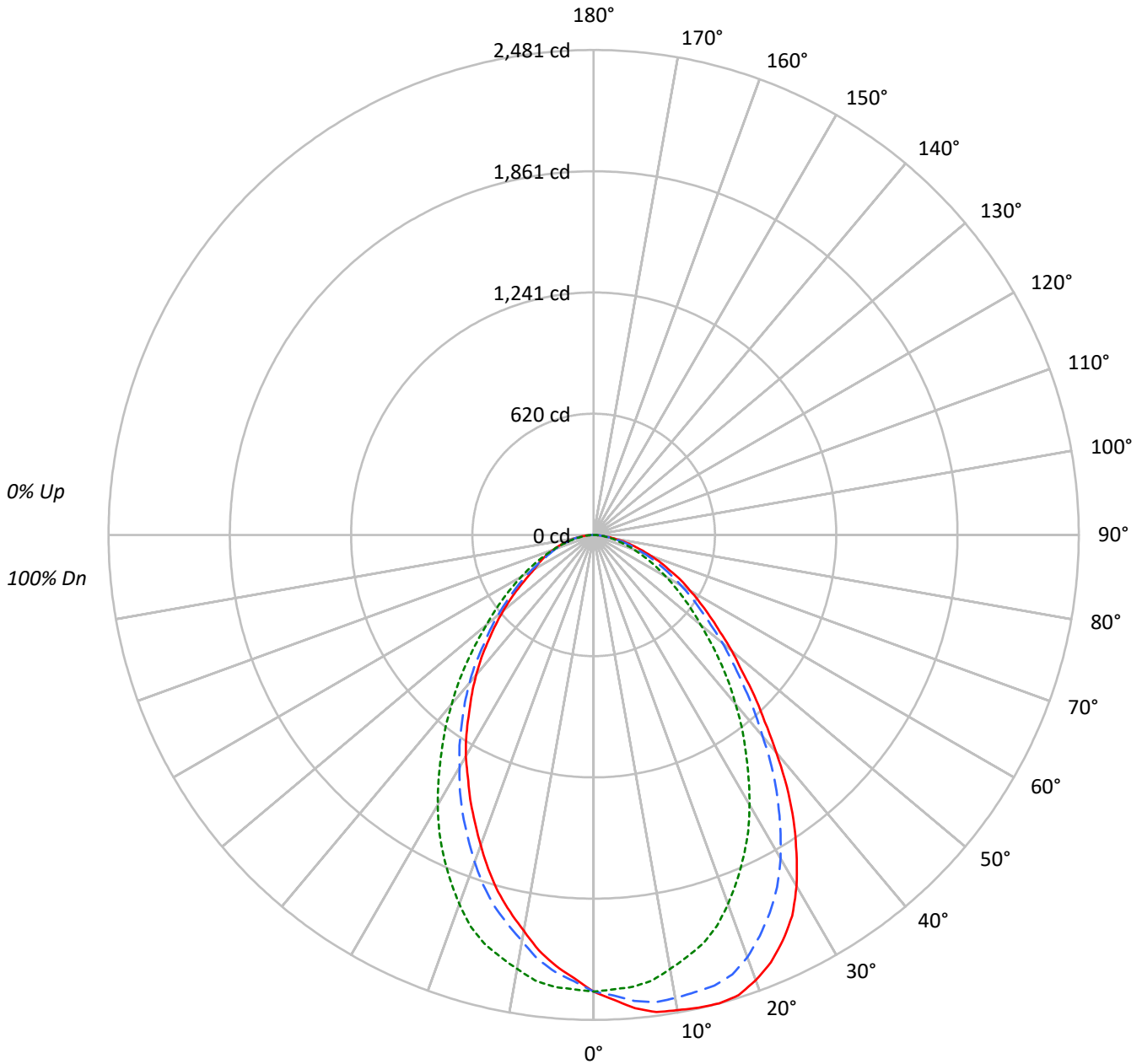
Lumens per Lamp: N/A
Luminaire Lumens: 4351.9 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582466
CATALOG NUMBER: HCC6W40D010SL-HM63040835-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P582466

CATALOG NUMBER: HCC6W40D010SL-HM63040835-61WWW

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°	128071	128071	128071
5°	133760	127696	121819
10°	137406	125504	114477
15°	140801	122776	107248
20°	141430	117214	98510
25°	138462	109742	90344
30°	131368	100908	82804
35°	119317	90701	74278
40°	103959	80780	66832
45°	89955	70690	58750
50°	78573	60868	51487
55°	69426	53494	44175
60°	62396	46882	38264
65°	55881	40783	37112
70°	49896	34782	34782
75°	43294	29314	32640
80°	34727	24814	29770
85°	23713	21763	25726



TEST NUMBER: P582466
 CATALOG NUMBER: HCC6W40D010SL-HM63040835-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.6	5.0
10°-20°	610.4	14.0
20°-30°	850.6	19.5
30°-40°	876.4	20.1
40°-50°	726.4	16.7
50°-60°	522.0	12.0
60°-70°	332.4	7.6
70°-80°	170.7	3.9
80°-90°	43.4	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°	1680.5	38.6
0°-40°	2557.0	58.8
0°-60°	3805.4	87.4
0°-90°	4351.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4351.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2336	2336	2336	2336	2336	
5°	2431	2393	2320	2245	2214	233
15°	2481	2387	2163	1965	1890	699
25°	2289	2132	1814	1582	1494	1049
35°	1783	1638	1355	1176	1110	1107
45°	1160	1078	912	796	758	898
55°	726	667	560	497	462	654
65°	431	384	314	274	286	431
75°	204	176	138	145	154	218
85°	38	35	35	38	41	48
90°	0	0	0	0	0	

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



TEST NUMBER: P582466

CATALOG NUMBER: HCC6W40D010SL-HM63040835-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2
2.5°	2380.3	2370.9	2358.2	2345.7	2326.8	2304.8	2286.0	2279.6	2270.3
5°	2430.7	2418.0	2392.9	2361.4	2320.5	2279.6	2245.1	2223.0	2213.7
7.5°	2462.0	2446.3	2411.8	2358.2	2298.5	2238.7	2188.5	2157.1	2144.4
10°	2468.4	2452.5	2405.5	2333.2	2254.6	2172.8	2109.9	2072.1	2056.5
12.5°	2477.7	2455.7	2396.0	2311.2	2210.5	2116.2	2037.6	1990.4	1974.7
15°	2480.9	2455.7	2386.6	2282.8	2163.3	2050.1	1965.2	1908.6	1889.7
17.5°	2468.4	2440.0	2358.2	2232.5	2097.3	1977.8	1877.2	1817.5	1792.3
20°	2424.3	2392.9	2298.5	2157.1	2009.2	1883.5	1779.7	1716.8	1688.6
22.5°	2367.7	2326.8	2219.9	2069.0	1914.9	1782.9	1679.1	1616.2	1587.9
25°	2289.1	2251.4	2131.9	1971.5	1814.3	1675.9	1581.6	1515.5	1493.6
27.5°	2198.0	2153.9	2031.3	1870.9	1710.5	1572.2	1481.0	1421.2	1393.0
30°	2075.3	2034.4	1911.8	1751.4	1594.1	1465.3	1371.0	1320.6	1308.1
32.5°	1930.6	1896.1	1776.6	1625.7	1474.8	1355.3	1276.7	1223.1	1210.6
35°	1782.9	1742.0	1638.2	1496.7	1355.3	1248.3	1176.0	1128.8	1109.9
37.5°	1622.5	1584.8	1496.7	1371.0	1245.1	1144.5	1081.7	1040.8	1022.0
40°	1452.7	1424.4	1342.6	1242.0	1128.8	1040.8	987.3	952.7	933.9
42.5°	1295.5	1267.2	1210.6	1116.3	1022.0	943.3	896.1	864.7	849.0
45°	1160.3	1135.1	1078.5	996.8	911.8	845.9	795.5	773.5	757.8
47.5°	1025.1	1012.5	962.2	886.8	808.2	751.6	716.9	691.8	679.2
50°	921.3	905.6	858.4	779.8	713.7	669.8	638.3	616.2	603.7
52.5°	814.4	798.7	754.6	688.6	635.1	594.3	562.8	544.0	531.4
55°	726.4	713.7	666.6	606.9	559.7	525.1	496.9	474.8	462.2
57.5°	644.6	632.1	588.0	531.4	490.5	459.1	434.0	415.1	399.4
60°	569.1	559.7	515.7	462.2	427.6	396.2	374.2	358.5	349.0
62.5°	503.1	484.2	446.5	399.4	367.9	342.7	320.8	311.3	317.6
65°	430.8	421.3	383.6	342.7	314.4	289.3	273.6	279.9	286.1
67.5°	371.0	358.5	327.0	289.3	264.1	245.2	235.8	248.4	251.5
70°	311.3	298.8	270.4	239.0	217.0	204.4	204.4	213.8	217.0
72.5°	254.7	245.2	220.1	194.9	179.3	169.8	176.1	182.4	185.6
75°	204.4	194.9	176.1	154.1	138.4	138.4	144.7	150.9	154.1
77.5°	157.2	150.9	132.0	116.3	110.0	110.0	116.3	119.5	122.7
80°	110.0	103.8	94.3	84.9	78.6	84.9	91.1	91.1	94.3
82.5°	72.3	69.1	62.9	56.6	56.6	59.8	62.9	66.1	66.1
85°	37.7	37.7	34.6	31.4	34.6	37.7	37.7	40.9	40.9
87.5°	12.5	12.5	12.5	12.5	15.7	15.7	15.7	15.7	15.7
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)