

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: P582340

Luminaire Tested: **HCC6W35D010BZ-HM63040840-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582340
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: HCC6W35D010BZ-HM63040840-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

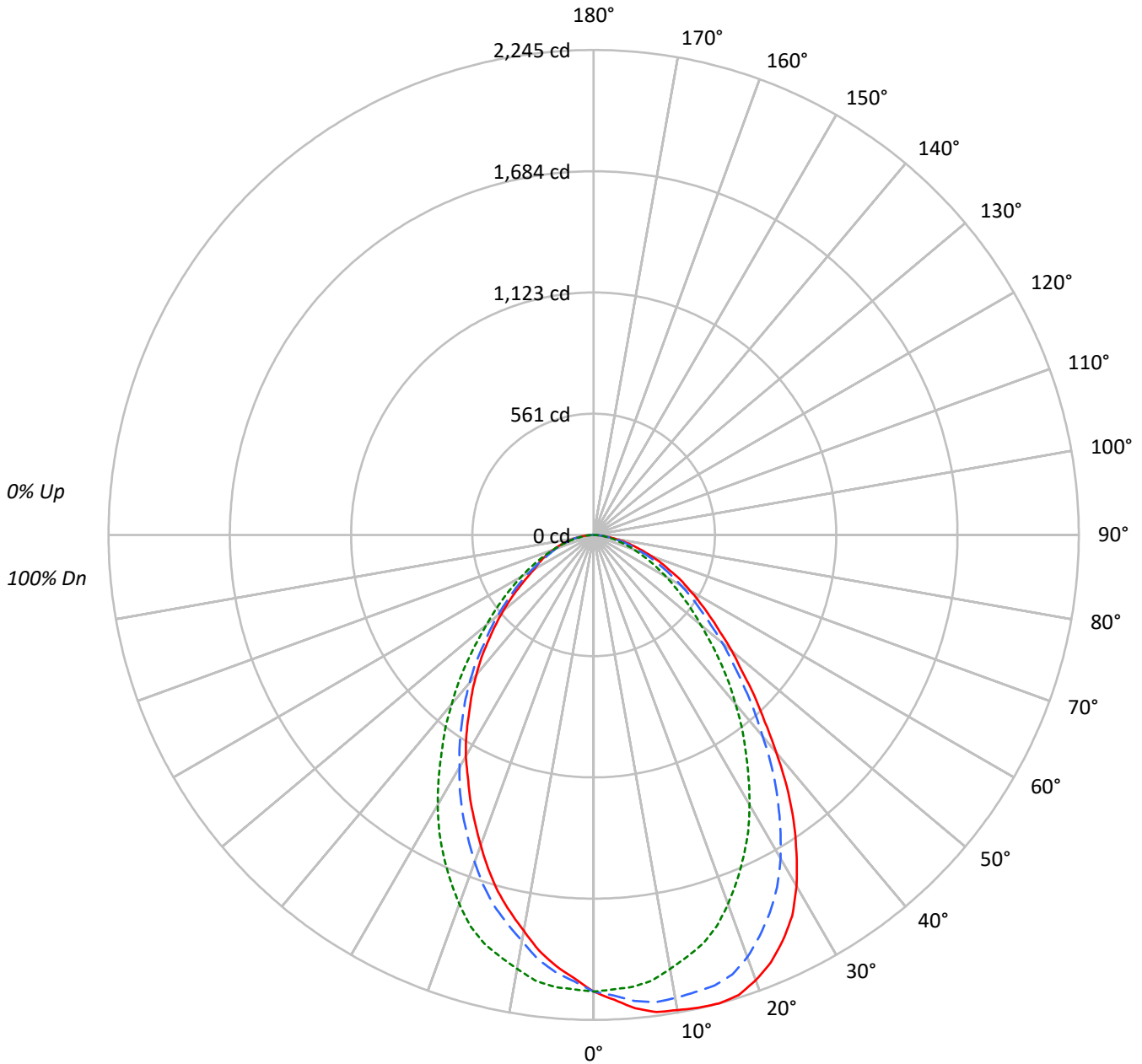
Lumens per Lamp: N/A
Luminaire Lumens: 3937.8 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582340
CATALOG NUMBER: HCC6W35D010BZ-HM63040840-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P582340

CATALOG NUMBER: HCC6W35D010BZ-HM63040840-61WWW

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	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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	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	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	115884	115884	115884
5°	121027	115551	110224
10°	124324	113558	103583
15°	127401	111096	97044
20°	127971	106065	89129
25°	125287	99296	81749
30°	118866	91312	74923
35°	107967	82068	67211
40°	94069	73094	60470
45°	81388	63968	53161
50°	71094	55077	46591
55°	62822	48409	39979
60°	56465	42431	34624
65°	50563	36904	33596
70°	45152	31464	31464
75°	39185	26518	29547
80°	31412	22478	26929
85°	21511	19687	23273



TEST NUMBER: P582340
 CATALOG NUMBER: HCC6W35D010BZ-HM63040840-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.7	5.0
10°-20°	552.3	14.0
20°-30°	769.7	19.5
30°-40°	793.0	20.1
40°-50°	657.2	16.7
50°-60°	472.3	12.0
60°-70°	300.8	7.6
70°-80°	154.5	3.9
80°-90°	39.3	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°	1520.6	38.6
0°-40°	2313.7	58.8
0°-60°	3443.2	87.4
0°-90°	3937.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3937.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2114	2114	2114	2114	2114	
5°	2199	2165	2100	2031	2003	211
15°	2245	2160	1958	1778	1710	633
25°	2071	1929	1642	1431	1352	949
35°	1613	1482	1226	1064	1004	1002
45°	1050	976	825	720	686	813
55°	657	603	506	450	418	592
65°	390	347	284	248	259	390
75°	185	159	125	131	140	197
85°	34	31	31	34	37	44
90°	0	0	0	0	0	

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



TEST NUMBER: P582340

CATALOG NUMBER: HCC6W35D010BZ-HM63040840-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2153.8	2145.3	2133.9	2122.5	2105.4	2085.5	2068.4	2062.8	2054.2
5°	2199.3	2187.9	2165.1	2136.7	2099.8	2062.8	2031.4	2011.6	2003.0
7.5°	2227.8	2213.6	2182.3	2133.9	2079.8	2025.8	1980.3	1951.8	1940.4
10°	2233.4	2219.2	2176.6	2111.1	2040.0	1966.0	1909.1	1874.9	1860.8
12.5°	2242.0	2222.1	2168.1	2091.1	2000.1	1914.8	1843.6	1801.0	1786.8
15°	2244.8	2222.1	2159.5	2065.6	1957.5	1855.1	1778.3	1727.0	1709.9
17.5°	2233.4	2207.8	2133.9	2020.1	1897.8	1789.6	1698.6	1644.5	1621.8
20°	2193.6	2165.1	2079.8	1951.8	1818.1	1704.3	1610.3	1553.5	1527.8
22.5°	2142.4	2105.4	2008.6	1872.1	1732.6	1613.3	1519.3	1462.4	1436.8
25°	2071.3	2037.1	1929.1	1783.9	1641.6	1516.5	1431.1	1371.3	1351.5
27.5°	1988.8	1948.9	1838.0	1692.9	1547.8	1422.6	1340.1	1286.0	1260.4
30°	1877.8	1840.8	1729.8	1584.8	1442.5	1325.8	1240.5	1195.0	1183.6
32.5°	1746.9	1715.6	1607.5	1471.0	1334.3	1226.3	1155.1	1106.8	1095.3
35°	1613.3	1576.3	1482.3	1354.3	1226.3	1129.5	1064.1	1021.4	1004.3
37.5°	1468.1	1434.0	1354.3	1240.5	1126.7	1035.6	978.8	941.8	924.7
40°	1314.5	1288.8	1214.8	1123.8	1021.4	941.8	893.3	862.1	845.0
42.5°	1172.3	1146.6	1095.3	1010.0	924.7	853.5	810.8	782.5	768.2
45°	1049.8	1027.1	975.8	901.9	825.1	765.3	719.8	700.0	685.7
47.5°	927.5	916.1	870.6	802.3	731.2	680.0	648.7	626.0	614.5
50°	833.6	819.4	776.8	705.6	645.8	606.0	577.5	557.7	546.3
52.5°	736.8	722.7	682.8	623.1	574.7	537.8	509.3	492.2	480.8
55°	657.3	645.8	603.2	549.1	506.5	475.1	449.5	429.6	418.3
57.5°	583.3	571.8	532.0	480.8	443.8	415.3	392.6	375.5	361.3
60°	515.0	506.5	466.6	418.3	387.0	358.5	338.5	324.3	315.8
62.5°	455.2	438.2	404.0	361.3	332.8	310.1	290.2	281.7	287.3
65°	389.8	381.3	347.1	310.1	284.5	261.8	247.5	253.2	259.0
67.5°	335.7	324.3	296.0	261.8	239.0	222.0	213.4	224.8	227.6
70°	281.7	270.3	244.7	216.2	196.3	185.0	185.0	193.5	196.3
72.5°	230.5	222.0	199.2	176.5	162.2	153.7	159.3	165.0	167.8
75°	185.0	176.5	159.3	139.5	125.2	125.2	130.8	136.5	139.5
77.5°	142.3	136.5	119.5	105.3	99.5	99.5	105.3	108.1	111.0
80°	99.5	93.9	85.3	76.8	71.2	76.8	82.5	82.5	85.3
82.5°	65.5	62.6	56.9	51.2	51.2	54.0	56.9	59.8	59.8
85°	34.2	34.2	31.3	28.5	31.3	34.2	34.2	37.0	37.0
87.5°	11.4	11.4	11.4	11.4	14.2	14.2	14.2	14.2	14.2
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)