

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: P582315

Luminaire Tested: **HCC6W35D010SL-HM63040835-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582315
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: HCC6W35D010SL-HM63040835-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

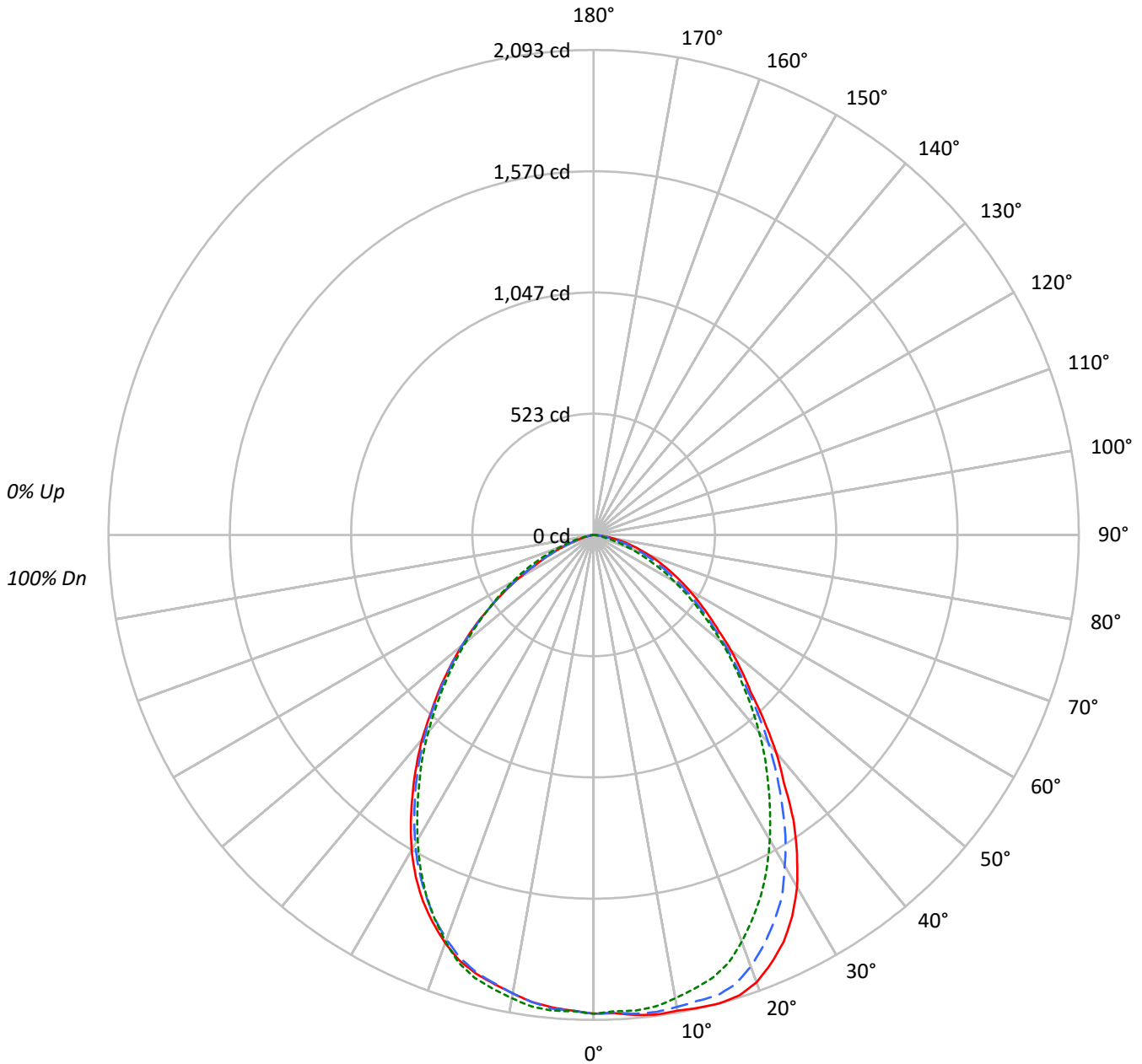
Lumens per Lamp: N/A
Luminaire Lumens: 4048.3 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582315
CATALOG NUMBER: HCC6W35D010SL-HM63040835-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582315

CATALOG NUMBER: HCC6W35D010SL-HM63040835-61RWWH

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°	113264	113264	113264
5°	114440	113394	112646
10°	116063	113046	111838
15°	118792	112333	111261
20°	119897	108999	109309
25°	117267	103512	105478
30°	111068	96160	99414
35°	100579	87883	91149
40°	87586	79449	82354
45°	74318	70325	72845
50°	65814	61431	63043
55°	57967	52538	52280
60°	51948	44229	40677
65°	46373	35464	29160
70°	40792	25613	18240
75°	34398	15483	10336
80°	26487	6851	4262
85°	15347	1698	1698



TEST NUMBER: P582315
 CATALOG NUMBER: HCC6W35D010SL-HM63040835-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	4.8
10°-20°	563.6	13.9
20°-30°	814.8	20.1
30°-40°	857.3	21.2
40°-50°	720.7	17.8
50°-60°	505.8	12.5
60°-70°	278.3	6.9
70°-80°	98.8	2.4
80°-90°	12.9	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°	1574.5	38.9
0°-40°	2431.8	60.1
0°-60°	3658.3	90.4
0°-90°	4048.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4048.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2066	2066	2066	2066	2066	
5°	2080	2074	2061	2052	2047	199
15°	2093	2058	1979	1955	1960	591
25°	1939	1841	1711	1714	1744	887
35°	1503	1416	1313	1340	1362	931
45°	959	932	907	929	940	752
55°	606	574	550	550	547	546
65°	358	320	273	225	225	356
75°	162	130	73	49	49	174
85°	24	14	3	3	3	34
90°	0	0	0	0	0	

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



TEST NUMBER: P582315

CATALOG NUMBER: HCC6W35D010SL-HM63040835-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2066.1	2066.1	2066.1	2066.1	2066.1	2066.1	2066.1	2066.1	2066.1
2.5°	2066.1	2066.1	2063.3	2063.3	2057.9	2057.9	2055.2	2055.2	2055.2
5°	2079.6	2079.6	2074.1	2066.1	2060.6	2052.5	2052.5	2049.7	2047.0
7.5°	2087.6	2085.0	2076.8	2066.1	2052.5	2039.0	2033.5	2036.2	2033.5
10°	2085.0	2079.6	2068.7	2047.0	2030.8	2011.9	2009.1	2006.4	2009.1
12.5°	2090.3	2082.3	2060.6	2033.5	2006.4	1984.8	1982.0	1982.0	1984.8
15°	2093.1	2085.0	2057.9	2017.3	1979.3	1957.8	1955.0	1957.8	1960.4
17.5°	2085.0	2074.1	2033.5	1979.3	1936.1	1914.3	1914.3	1919.8	1925.2
20°	2055.2	2039.0	1982.0	1917.1	1868.4	1852.1	1857.5	1868.4	1873.7
22.5°	2001.1	1982.0	1917.1	1844.0	1792.5	1779.0	1792.5	1806.0	1811.5
25°	1938.7	1917.1	1841.3	1765.4	1711.3	1695.1	1714.0	1735.7	1743.8
27.5°	1854.8	1830.4	1760.1	1673.4	1619.2	1611.2	1632.7	1657.1	1662.5
30°	1754.6	1727.5	1649.0	1567.7	1519.1	1516.4	1540.7	1562.4	1570.5
32.5°	1632.7	1608.4	1540.7	1459.5	1416.2	1416.2	1440.5	1459.5	1467.6
35°	1502.9	1475.7	1416.2	1348.5	1313.2	1316.0	1340.3	1353.8	1362.0
37.5°	1348.5	1340.3	1294.3	1237.5	1213.1	1218.5	1237.5	1248.2	1256.4
40°	1223.9	1202.2	1172.5	1126.4	1110.2	1115.7	1134.6	1145.4	1150.8
42.5°	1088.5	1074.9	1050.7	1018.1	1007.2	1015.4	1031.6	1039.8	1037.1
45°	958.6	955.9	931.5	912.5	907.1	918.0	928.8	936.9	939.6
47.5°	863.8	853.0	831.3	817.7	812.3	823.2	833.9	839.4	839.4
50°	771.7	760.9	739.2	725.6	720.3	731.1	739.2	744.7	739.2
52.5°	679.7	668.8	649.9	633.6	630.9	636.4	639.0	641.7	647.1
55°	606.5	595.8	574.0	555.1	549.7	552.3	549.7	549.7	547.0
57.5°	536.1	525.3	503.7	482.0	473.8	471.1	463.1	460.3	457.6
60°	473.8	460.3	438.7	414.3	403.4	392.6	379.0	371.0	371.0
62.5°	414.3	400.7	376.4	354.8	338.4	319.5	297.8	287.0	287.0
65°	357.5	346.6	319.5	295.1	273.4	249.2	224.8	219.3	224.8
67.5°	303.3	292.5	265.4	241.0	213.9	184.2	162.4	162.4	167.9
70°	254.5	243.7	219.3	189.5	159.8	130.0	113.8	113.8	113.8
72.5°	208.5	197.7	170.6	143.5	113.8	83.9	75.9	78.5	75.9
75°	162.4	154.4	130.0	100.2	73.1	51.5	48.8	46.0	48.8
77.5°	121.8	113.8	92.1	65.0	40.6	29.8	27.1	27.1	27.1
80°	83.9	75.9	59.5	37.9	21.7	13.5	13.5	13.5	13.5
82.5°	51.5	43.3	32.4	18.9	8.2	8.2	8.2	8.2	8.2
85°	24.4	18.9	13.5	5.4	2.7	2.7	2.7	2.7	2.7
87.5°	5.4	5.4	2.7	2.7	0.0	2.7	2.7	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)