

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: P582369

Luminaire Tested: **HCC6W35D010BZ-HM63040930-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582369
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: HCC6W35D010BZ-HM63040930-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

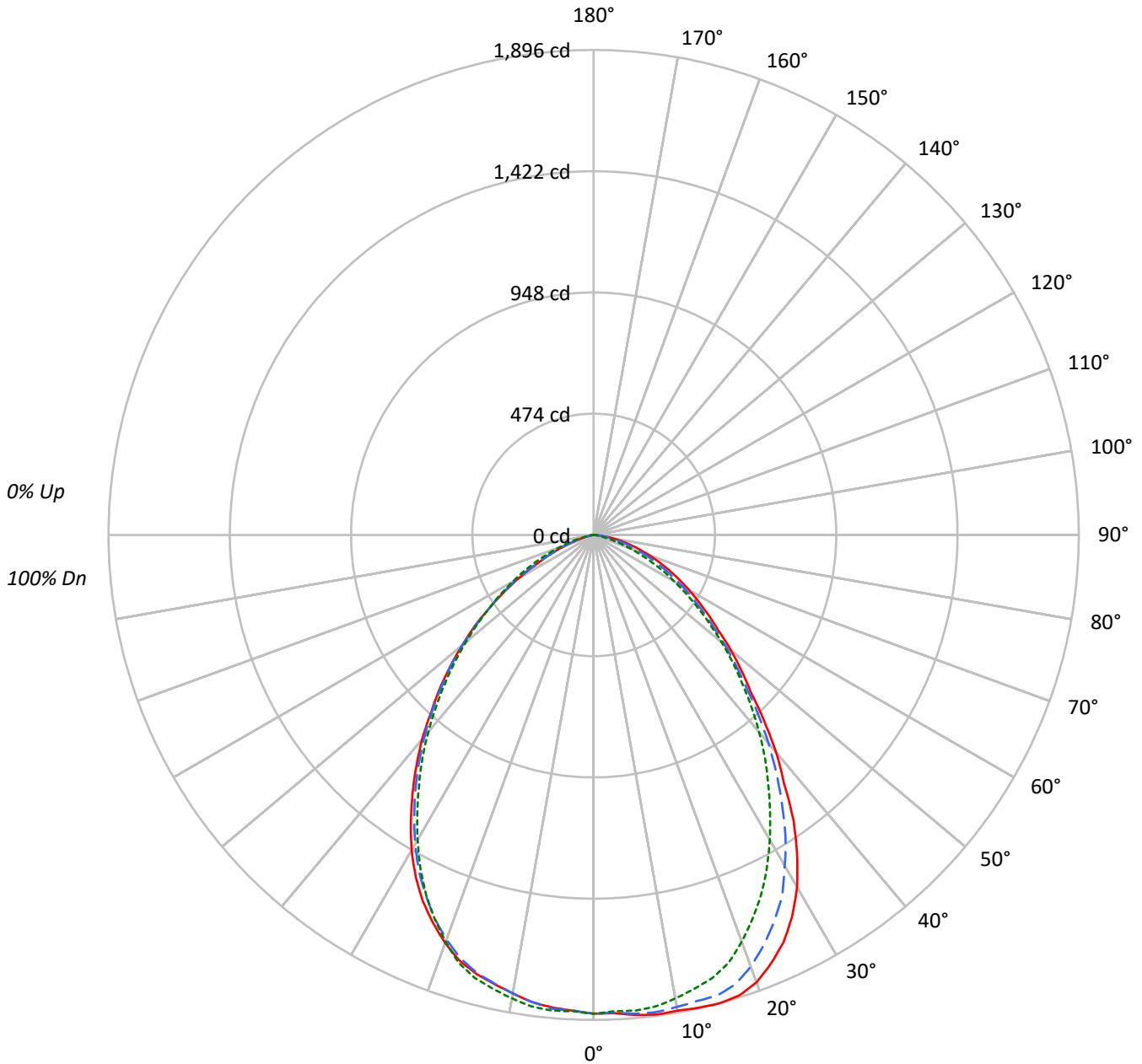
Lumens per Lamp: N/A
Luminaire Lumens: 3667.4 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582369
CATALOG NUMBER: HCC6W35D010BZ-HM63040930-61RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P582369

CATALOG NUMBER: HCC6W35D010BZ-HM63040930-61RWWH

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	102601	102601	102601
5°	103670	102724	102052
10°	105142	102414	101317
15°	107611	101766	100789
20°	108614	98738	99024
25°	106234	93768	95558
30°	100623	87108	90058
35°	91109	79612	82576
40°	79349	71971	74604
45°	67325	63712	65991
50°	59623	55648	57107
55°	52509	47597	47358
60°	47058	40074	36850
65°	42002	32144	26410
70°	36961	23193	16509
75°	31178	14043	9341
80°	24025	6188	3883
85°	13901	1572	1572



TEST NUMBER: P582369

CATALOG NUMBER: HCC6W35D010BZ-HM63040930-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	4.8
10°-20°	510.6	13.9
20°-30°	738.1	20.1
30°-40°	776.6	21.2
40°-50°	652.9	17.8
50°-60°	458.2	12.5
60°-70°	252.1	6.9
70°-80°	89.5	2.4
80°-90°	11.7	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°	1426.3	38.9
0°-40°	2203.0	60.1
0°-60°	3314.1	90.4
0°-90°	3667.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3667.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1872	1872	1872	1872	1872	
5°	1884	1879	1867	1859	1854	180
15°	1896	1864	1793	1771	1776	535
25°	1756	1668	1550	1553	1580	803
35°	1361	1283	1190	1214	1234	844
45°	868	844	822	841	851	681
55°	549	520	498	498	496	495
65°	324	289	248	204	204	322
75°	147	118	66	44	44	158
85°	22	12	2	2	2	30
90°	0	0	0	0	0	



TEST NUMBER: P582369

CATALOG NUMBER: HCC6W35D010BZ-HM63040930-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1871.6	1871.6	1871.6	1871.6	1871.6	1871.6	1871.6	1871.6	1871.6
2.5°	1871.6	1871.6	1869.2	1869.2	1864.3	1864.3	1861.8	1861.8	1861.8
5°	1883.9	1883.9	1879.0	1871.6	1866.7	1859.4	1859.4	1856.9	1854.5
7.5°	1891.2	1888.8	1881.4	1871.6	1859.4	1847.1	1842.2	1844.7	1842.2
10°	1888.8	1883.9	1874.1	1854.5	1839.8	1822.5	1820.1	1817.6	1820.1
12.5°	1893.7	1886.3	1866.7	1842.2	1817.6	1798.0	1795.5	1795.5	1798.0
15°	1896.1	1888.8	1864.3	1827.5	1793.1	1773.5	1771.0	1773.5	1775.9
17.5°	1888.8	1879.0	1842.2	1793.1	1753.9	1734.3	1734.3	1739.2	1744.1
20°	1861.8	1847.1	1795.5	1736.7	1692.5	1677.8	1682.7	1692.5	1697.4
22.5°	1812.7	1795.5	1736.7	1670.4	1623.9	1611.6	1623.9	1636.1	1641.0
25°	1756.3	1736.7	1668.0	1599.4	1550.2	1535.5	1552.7	1572.3	1579.8
27.5°	1680.2	1658.2	1594.5	1515.9	1466.9	1459.6	1479.2	1501.2	1506.1
30°	1589.6	1564.9	1493.9	1420.2	1376.1	1373.7	1395.7	1415.3	1422.7
32.5°	1479.2	1457.1	1395.7	1322.1	1282.9	1282.9	1304.9	1322.1	1329.6
35°	1361.4	1336.9	1282.9	1221.6	1189.6	1192.1	1214.3	1226.5	1233.9
37.5°	1221.6	1214.3	1172.5	1121.0	1099.0	1103.9	1121.0	1130.8	1138.2
40°	1108.8	1089.2	1062.1	1020.4	1005.7	1010.6	1027.8	1037.6	1042.5
42.5°	986.1	973.9	951.8	922.3	912.5	919.8	934.5	941.9	939.4
45°	868.4	865.9	843.9	826.7	821.8	831.6	841.4	848.8	851.2
47.5°	782.5	772.7	753.1	740.8	735.9	745.7	755.5	760.4	760.4
50°	699.1	689.2	669.6	657.4	652.5	662.3	669.6	674.5	669.6
52.5°	615.7	605.9	588.8	574.0	571.6	576.5	578.9	581.4	586.3
55°	549.4	539.6	520.0	502.9	498.0	500.4	498.0	498.0	495.5
57.5°	485.7	475.9	456.3	436.6	429.2	426.8	419.4	417.0	414.5
60°	429.2	417.0	397.4	375.3	365.5	355.7	343.4	336.1	336.1
62.5°	375.3	363.1	341.0	321.4	306.6	289.4	269.8	260.0	260.0
65°	323.8	313.9	289.4	267.4	247.8	225.7	203.6	198.7	203.6
67.5°	274.7	264.9	240.4	218.3	193.8	166.8	147.2	147.2	152.1
70°	230.6	220.8	198.7	171.7	144.7	117.8	103.0	103.0	103.0
72.5°	188.8	179.0	154.5	130.0	103.0	76.1	68.7	71.2	68.7
75°	147.2	139.8	117.8	90.8	66.3	46.6	44.1	41.7	44.1
77.5°	110.4	103.0	83.4	58.8	36.8	27.0	24.5	24.5	24.5
80°	76.1	68.7	53.9	34.3	19.6	12.3	12.3	12.3	12.3
82.5°	46.6	39.2	29.4	17.2	7.4	7.4	7.4	7.4	7.4
85°	22.1	17.2	12.3	4.9	2.5	2.5	2.5	2.5	2.5
87.5°	4.9	4.9	2.5	2.5	0.0	2.5	2.5	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)