

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: P582286

Luminaire Tested: **HCC6S35D010BZ-HM63040827-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582286
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: HCC6S35D010BZ-HM63040827-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

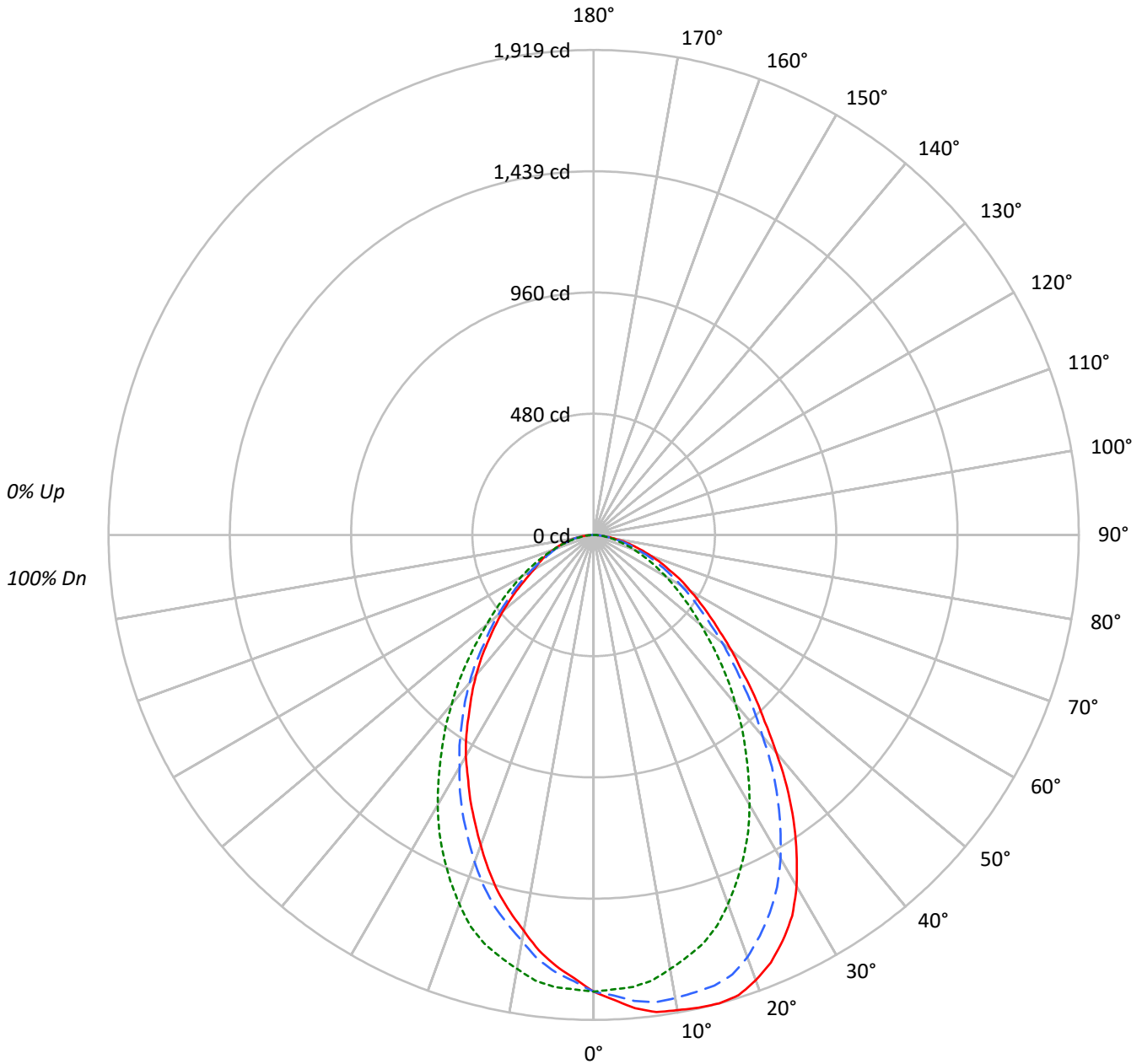
Lumens per Lamp: N/A
Luminaire Lumens: 3366.3 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (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: P582286
CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P582286

CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61WWW

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°	99071	99071	99071
5°	103467	98778	94227
10°	106283	97081	88548
15°	108911	94972	82963
20°	109402	90670	76196
25°	107105	84888	69881
30°	101617	78063	64048
35°	92287	70155	57460
40°	80415	62481	51697
45°	69581	54680	45447
50°	60783	47086	39828
55°	53695	41384	34178
60°	48264	36269	29592
65°	43221	31547	28719
70°	38596	26896	26896
75°	33487	22664	25248
80°	26866	19194	23014
85°	18367	16794	19876



TEST NUMBER: P582286
 CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	5.0
10°-20°	472.1	14.0
20°-30°	658.0	19.5
30°-40°	677.9	20.1
40°-50°	561.9	16.7
50°-60°	403.8	12.0
60°-70°	257.2	7.6
70°-80°	132.0	3.9
80°-90°	33.6	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°	1300.0	38.6
0°-40°	1977.9	58.8
0°-60°	2943.5	87.4
0°-90°	3366.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3366.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1807	1807	1807	1807	1807	
5°	1880	1851	1795	1737	1712	180
15°	1919	1846	1673	1520	1462	541
25°	1771	1649	1403	1223	1155	811
35°	1379	1267	1048	910	859	857
45°	898	834	705	615	586	695
55°	562	516	433	384	358	506
65°	333	297	243	212	221	334
75°	158	136	107	112	119	169
85°	29	27	27	29	32	37
90°	0	0	0	0	0	



TEST NUMBER: P582286

CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2
2.5°	1841.2	1833.9	1824.1	1814.5	1799.9	1782.8	1768.2	1763.3	1756.1
5°	1880.2	1870.4	1851.0	1826.6	1795.0	1763.3	1736.6	1719.6	1712.3
7.5°	1904.4	1892.3	1865.6	1824.1	1777.9	1731.7	1692.9	1668.6	1658.8
10°	1909.3	1897.2	1860.7	1804.8	1744.0	1680.7	1632.0	1602.9	1590.7
12.5°	1916.6	1899.6	1853.4	1787.7	1709.9	1637.0	1576.2	1539.6	1527.5
15°	1919.0	1899.6	1846.1	1765.8	1673.4	1585.8	1520.1	1476.4	1461.8
17.5°	1909.3	1887.4	1824.1	1726.9	1622.4	1529.9	1452.1	1405.9	1386.4
20°	1875.3	1851.0	1777.9	1668.6	1554.2	1456.9	1376.7	1328.0	1306.1
22.5°	1831.5	1799.9	1717.1	1600.4	1481.3	1379.0	1298.9	1250.2	1228.3
25°	1770.7	1741.5	1649.1	1525.0	1403.4	1296.4	1223.4	1172.4	1155.3
27.5°	1700.2	1666.1	1571.2	1447.2	1323.1	1216.1	1145.6	1099.4	1077.5
30°	1605.3	1573.7	1478.8	1354.8	1233.2	1133.4	1060.5	1021.6	1011.8
32.5°	1493.4	1466.7	1374.3	1257.4	1140.7	1048.3	987.5	946.2	936.4
35°	1379.0	1347.4	1267.2	1157.8	1048.3	965.6	909.7	873.1	858.6
37.5°	1255.0	1225.8	1157.8	1060.5	963.1	885.3	836.7	805.1	790.5
40°	1123.7	1101.8	1038.6	960.8	873.1	805.1	763.7	737.0	722.4
42.5°	1002.1	980.2	936.4	863.5	790.5	729.7	693.2	668.9	656.7
45°	897.5	878.1	834.3	771.0	705.3	654.2	615.4	598.3	586.2
47.5°	792.9	783.2	744.3	685.8	625.0	581.3	554.6	535.1	525.4
50°	712.7	700.4	664.0	603.2	552.1	518.0	493.8	476.7	467.0
52.5°	629.9	617.8	583.7	532.6	491.3	459.7	435.4	420.8	411.0
55°	561.8	552.1	515.6	469.4	433.0	406.2	384.3	367.3	357.6
57.5°	498.7	488.9	454.8	411.0	379.4	355.1	335.6	321.0	308.9
60°	440.2	433.0	398.9	357.6	330.8	306.5	289.4	277.3	269.9
62.5°	389.2	374.6	345.4	308.9	284.6	265.1	248.1	240.8	245.7
65°	333.2	325.9	296.8	265.1	243.2	223.7	211.6	216.5	221.4
67.5°	287.0	277.3	253.0	223.7	204.3	189.8	182.4	192.2	194.5
70°	240.8	231.1	209.1	184.9	167.8	158.1	158.1	165.4	167.8
72.5°	197.0	189.8	170.3	150.8	138.6	131.3	136.2	141.1	143.5
75°	158.1	150.8	136.2	119.2	107.0	107.0	111.9	116.7	119.2
77.5°	121.6	116.7	102.1	90.0	85.1	85.1	90.0	92.4	94.9
80°	85.1	80.3	72.9	65.7	60.8	65.7	70.5	70.5	72.9
82.5°	55.9	53.6	48.7	43.8	43.8	46.2	48.7	51.1	51.1
85°	29.2	29.2	26.7	24.3	26.7	29.2	29.2	31.6	31.6
87.5°	9.7	9.7	9.7	9.7	12.1	12.1	12.1	12.1	12.1
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)