

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: P582015

Luminaire Tested: **HCC6W25D010SL-HM60525830-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010SL-HM60525830-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

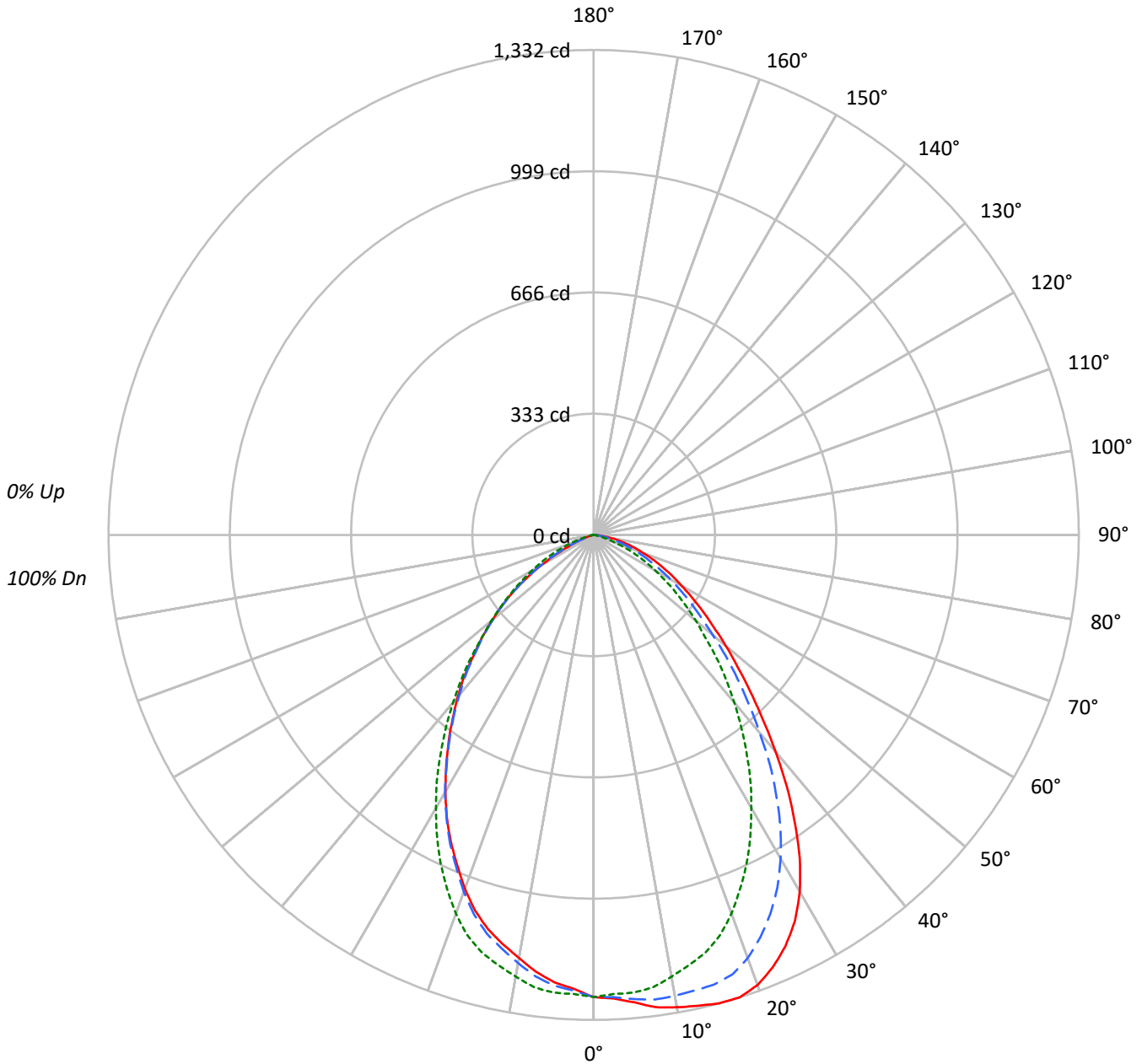
Lumens per Lamp: N/A
Luminaire Lumens: 2261.7 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P582015
CATALOG NUMBER: HCC6W25D010SL-HM60525830-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582015

CATALOG NUMBER: HCC6W25D010SL-HM60525830-61WWBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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								
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	69578	69578	69578
5°	70922	69447	67879
10°	73334	68564	65686
15°	75579	67373	63627
20°	76750	64569	60299
25°	75367	60143	56144
30°	71638	54806	51521
35°	64393	48981	46471
40°	55568	42923	41513
45°	47059	36950	35980
50°	40340	31214	30907
55°	34981	26274	25261
60°	30524	21336	18014
65°	26864	16448	9962
70°	23177	10867	4857
75°	19656	5274	1885
80°	15217	2241	1105
85°	8995	1132	1132



TEST NUMBER: P582015
 CATALOG NUMBER: HCC6W25D010SL-HM60525830-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	5.3
10°-20°	338.7	15.0
20°-30°	477.0	21.1
30°-40°	487.3	21.5
40°-50°	392.9	17.4
50°-60°	263.5	11.7
60°-70°	133.4	5.9
70°-80°	42.6	1.9
80°-90°	6.6	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°	935.4	41.4
0°-40°	1422.8	62.9
0°-60°	2079.2	91.9
0°-90°	2261.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2261.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1269	1269	1269	1269	1269	
5°	1289	1280	1262	1242	1234	124
15°	1332	1278	1187	1134	1121	376
25°	1246	1148	994	934	928	570
35°	962	875	732	691	694	599
45°	607	559	477	461	464	472
55°	366	325	275	262	264	329
65°	207	171	127	84	77	207
75°	93	66	25	9	9	100
85°	14	7	2	2	2	19
90°	0	0	0	0	0	

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



TEST NUMBER: P582015

CATALOG NUMBER: HCC6W25D010SL-HM60525830-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2
2.5°	1274.6	1272.8	1271.0	1267.4	1262.0	1256.8	1253.1	1249.6	1247.7
5°	1288.8	1285.3	1279.9	1272.8	1262.0	1249.6	1242.5	1235.3	1233.5
7.5°	1308.5	1301.4	1287.1	1271.0	1253.1	1235.3	1222.8	1215.7	1210.3
10°	1317.4	1304.9	1285.3	1258.5	1231.7	1210.3	1194.2	1183.6	1180.0
12.5°	1324.5	1310.3	1281.7	1246.0	1210.3	1181.7	1163.9	1155.0	1151.4
15°	1331.7	1317.4	1278.2	1231.7	1187.1	1153.1	1133.6	1124.6	1121.1
17.5°	1331.7	1312.0	1265.7	1206.8	1153.1	1112.2	1092.5	1083.6	1081.7
20°	1315.6	1294.2	1237.1	1167.4	1106.8	1060.4	1042.5	1037.1	1033.6
22.5°	1285.3	1260.3	1196.0	1117.4	1051.4	1006.8	987.1	983.6	980.0
25°	1246.0	1221.0	1147.9	1063.9	994.3	949.6	933.6	930.1	928.2
27.5°	1196.0	1169.3	1092.5	1006.8	931.9	889.0	874.7	874.7	873.0
30°	1131.7	1101.4	1026.5	940.8	865.8	826.5	815.8	815.8	813.9
32.5°	1053.3	1022.8	955.0	873.0	801.5	760.4	751.5	755.1	753.3
35°	962.2	937.2	874.7	794.4	731.9	694.4	690.8	694.4	694.4
37.5°	871.1	847.9	794.4	724.7	665.8	631.9	631.9	637.3	635.5
40°	776.5	758.7	708.7	648.1	599.8	576.6	573.0	578.4	580.1
42.5°	687.3	673.0	630.1	580.1	537.3	514.1	519.5	523.0	524.9
45°	607.0	592.7	558.7	507.0	476.6	460.6	460.6	465.9	464.1
47.5°	535.5	524.9	490.9	440.9	414.1	407.0	410.6	414.1	414.1
50°	473.0	457.0	424.9	385.5	366.0	357.0	360.6	362.4	362.4
52.5°	414.1	403.5	371.3	335.6	317.8	312.4	312.4	314.1	314.1
55°	366.0	353.5	324.9	289.2	274.9	267.8	262.4	260.6	264.3
57.5°	319.5	308.9	282.1	248.1	232.1	224.9	214.3	210.6	214.3
60°	278.4	269.5	242.8	210.6	194.6	180.3	167.8	160.6	164.3
62.5°	242.8	232.1	205.2	178.6	160.6	144.6	124.9	114.3	119.7
65°	207.1	198.1	171.4	144.6	126.8	107.1	84.0	76.8	76.8
67.5°	174.9	166.0	141.0	117.8	96.4	73.2	51.7	50.0	51.7
70°	144.6	135.7	114.3	91.1	67.8	44.6	30.3	30.3	30.3
72.5°	119.7	108.9	89.2	66.0	42.9	23.2	16.0	17.8	17.8
75°	92.8	84.0	66.0	44.6	24.9	10.7	8.9	8.9	8.9
77.5°	69.7	62.5	46.4	28.6	12.5	3.5	3.5	3.5	3.5
80°	48.2	41.1	30.3	17.8	7.1	3.5	3.5	3.5	3.5
82.5°	28.6	24.9	17.8	8.9	3.5	1.8	1.8	1.8	1.8
85°	14.3	12.5	7.1	3.5	1.8	1.8	1.8	1.8	1.8
87.5°	3.5	3.5	1.8	1.8	0.0	1.8	1.8	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)