

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: P582051

Luminaire Tested: **HCC6W25D010BZ-HM60525840-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582051
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: HCC6W25D010BZ-HM60525840-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

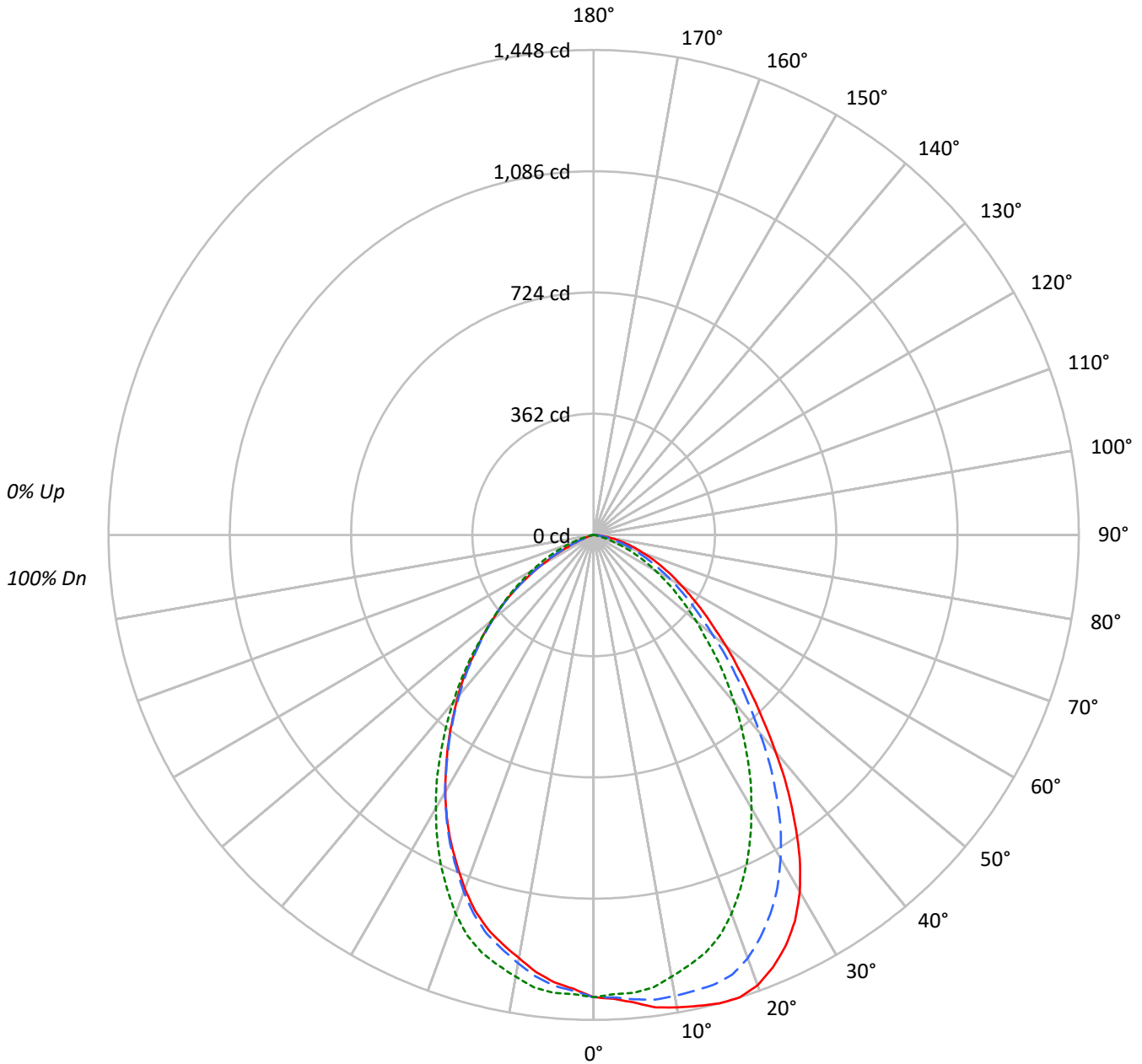
Lumens per Lamp: N/A
Luminaire Lumens: 2459.6 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (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: P582051
CATALOG NUMBER: HCC6W25D010BZ-HM60525840-61WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P582051

CATALOG NUMBER: HCC6W25D010BZ-HM60525840-61WWBB

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	66	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°	75663	75663	75663
5°	77129	75523	73811
10°	79752	74564	71430
15°	82191	73269	69183
20°	83465	70216	65567
25°	81960	65399	61056
30°	77904	59598	56034
35°	70028	53264	50540
40°	60428	46680	45149
45°	51176	40190	39128
50°	43879	33943	33611
55°	38039	28577	27459
60°	33210	23200	19582
65°	29212	17875	10818
70°	25213	11829	5289
75°	21393	5761	2033
80°	16543	2462	1231
85°	9749	1195	1195



TEST NUMBER: P582051

CATALOG NUMBER: HCC6W25D010BZ-HM60525840-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	5.3
10°-20°	368.3	15.0
20°-30°	518.7	21.1
30°-40°	529.9	21.5
40°-50°	427.3	17.4
50°-60°	286.6	11.7
60°-70°	145.0	5.9
70°-80°	46.3	1.9
80°-90°	7.1	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°	1017.3	41.4
0°-40°	1547.2	62.9
0°-60°	2261.1	91.9
0°-90°	2459.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2459.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1380	1380	1380	1380	1380	
5°	1402	1392	1372	1351	1341	135
15°	1448	1390	1291	1233	1219	409
25°	1355	1248	1081	1015	1009	620
35°	1046	951	796	751	755	651
45°	660	608	518	501	505	513
55°	398	353	299	285	287	358
65°	225	186	138	91	83	225
75°	101	72	27	10	10	108
85°	16	8	2	2	2	21
90°	0	0	0	0	0	



TEST NUMBER: P582051

CATALOG NUMBER: HCC6W25D010BZ-HM60525840-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2
2.5°	1386.1	1384.1	1382.2	1378.3	1372.4	1366.6	1362.8	1358.9	1356.9
5°	1401.6	1397.7	1391.8	1384.1	1372.4	1358.9	1351.1	1343.3	1341.3
7.5°	1422.9	1415.1	1399.6	1382.2	1362.8	1343.3	1329.8	1322.0	1316.2
10°	1432.7	1419.0	1397.7	1368.5	1339.5	1316.2	1298.7	1287.1	1283.2
12.5°	1440.4	1424.9	1393.8	1355.0	1316.2	1285.1	1265.7	1256.0	1252.1
15°	1448.2	1432.7	1390.0	1339.5	1291.0	1254.0	1232.7	1222.9	1219.0
17.5°	1448.2	1426.8	1376.3	1312.3	1254.0	1209.4	1188.1	1178.3	1176.4
20°	1430.7	1407.4	1345.2	1269.5	1203.6	1153.1	1133.7	1127.8	1123.9
22.5°	1397.7	1370.5	1300.6	1215.2	1143.4	1094.9	1073.4	1069.7	1065.8
25°	1355.0	1327.8	1248.2	1157.0	1081.2	1032.7	1015.3	1011.4	1009.4
27.5°	1300.6	1271.5	1188.1	1094.9	1013.3	966.7	951.2	951.2	949.3
30°	1230.7	1197.7	1116.2	1023.1	941.5	898.8	887.1	887.1	885.2
32.5°	1145.4	1112.3	1038.6	949.3	871.6	827.0	817.2	821.1	819.2
35°	1046.4	1019.2	951.2	863.8	795.9	755.2	751.3	755.2	755.2
37.5°	947.3	922.1	863.8	788.1	724.1	687.1	687.1	693.0	691.0
40°	844.4	825.0	770.7	704.7	652.3	627.0	623.1	629.0	630.9
42.5°	747.4	731.9	685.3	630.9	584.3	559.1	564.9	568.7	570.7
45°	660.1	644.5	607.6	551.3	518.4	500.8	500.8	506.7	504.7
47.5°	582.4	570.7	533.9	479.5	450.3	442.6	446.4	450.3	450.3
50°	514.5	496.9	462.0	419.3	398.0	388.3	392.2	394.1	394.1
52.5°	450.3	438.7	403.7	365.0	345.6	339.7	339.7	341.7	341.7
55°	398.0	384.4	353.3	314.5	299.0	291.2	285.3	283.4	287.3
57.5°	347.5	335.8	306.7	269.8	252.4	244.6	232.9	229.0	232.9
60°	302.9	293.1	264.0	229.0	211.6	196.1	182.4	174.7	178.6
62.5°	264.0	252.4	223.3	194.1	174.7	157.3	135.8	124.3	130.1
65°	225.2	215.5	186.3	157.3	137.8	116.5	91.2	83.4	83.4
67.5°	190.2	180.6	153.4	128.2	104.9	79.6	56.3	54.4	56.3
70°	157.3	147.5	124.3	99.0	73.8	48.5	33.0	33.0	33.0
72.5°	130.1	118.4	97.1	71.8	46.6	25.2	17.4	19.4	19.4
75°	101.0	91.2	71.8	48.5	27.2	11.7	9.6	9.6	9.6
77.5°	75.7	67.9	50.5	31.1	13.5	3.9	3.9	3.9	3.9
80°	52.4	44.6	33.0	19.4	7.8	3.9	3.9	3.9	3.9
82.5°	31.1	27.2	19.4	9.6	3.9	1.9	1.9	1.9	1.9
85°	15.5	13.5	7.8	3.9	1.9	1.9	1.9	1.9	1.9
87.5°	3.9	3.9	1.9	1.9	0.0	1.9	1.9	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)