

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: P582215

Luminaire Tested: **HCC6W30D010SL-HM63040927-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010SL-HM63040927-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

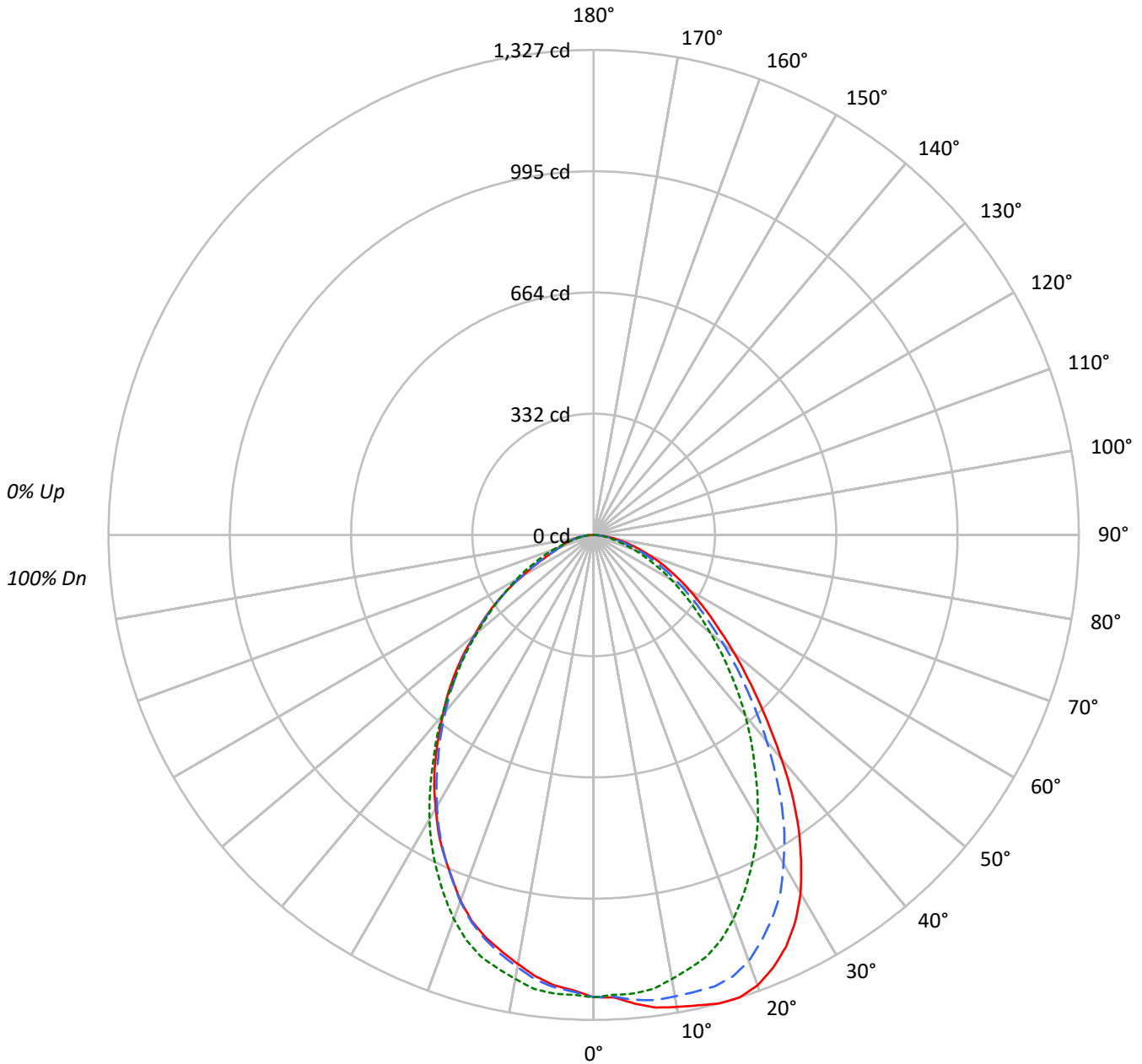
Lumens per Lamp: N/A
Luminaire Lumens: 2477.0 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582215
CATALOG NUMBER: HCC6W30D010SL-HM63040927-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P582215

CATALOG NUMBER: HCC6W30D010SL-HM63040927-61WWWB

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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	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	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	69342	69342	69342
5°	70840	69315	68083
10°	73006	68675	66370
15°	75313	67764	64728
20°	76511	65222	62095
25°	75252	61352	58528
30°	71644	56876	54686
35°	65337	51337	50534
40°	57128	46129	45879
45°	49160	40586	41524
50°	42728	35368	36101
55°	37322	31043	31378
60°	33155	26906	24625
65°	29588	22635	18835
70°	26030	18561	15772
75°	22303	14636	15017
80°	18026	12533	14711
85°	11951	10819	13020



TEST NUMBER: P582215
 CATALOG NUMBER: HCC6W30D010SL-HM63040927-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	4.8
10°-20°	340.9	13.8
20°-30°	486.7	19.6
30°-40°	509.8	20.6
40°-50°	429.2	17.3
50°-60°	305.5	12.3
60°-70°	178.8	7.2
70°-80°	84.6	3.4
80°-90°	21.8	0.9
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°	947.4	38.2
0°-40°	1457.1	58.8
0°-60°	2191.8	88.5
0°-90°	2477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2477.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1265	1265	1265	1265	1265	
5°	1287	1277	1260	1242	1237	124
15°	1327	1279	1194	1146	1140	375
25°	1244	1156	1014	966	968	569
35°	976	895	767	741	755	606
45°	634	588	524	525	536	492
55°	390	358	325	325	328	352
65°	228	202	174	147	145	227
75°	105	88	69	67	71	113
85°	19	16	17	21	21	25
90°	0	0	0	0	0	

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



TEST NUMBER: P582215

CATALOG NUMBER: HCC6W30D010SL-HM63040927-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1266.5	1266.5	1264.9	1263.1	1259.6	1254.5	1251.1	1247.6	1247.6
5°	1287.3	1283.9	1277.0	1268.3	1259.6	1249.3	1242.4	1237.2	1237.2
7.5°	1304.6	1297.7	1283.9	1268.3	1252.7	1238.9	1226.8	1219.9	1218.1
10°	1311.5	1302.9	1282.1	1258.0	1233.7	1214.7	1200.9	1192.3	1192.3
12.5°	1318.4	1308.0	1280.4	1245.8	1214.7	1188.8	1175.0	1168.1	1166.4
15°	1327.0	1313.3	1278.7	1235.5	1194.0	1164.6	1145.6	1140.5	1140.5
17.5°	1327.0	1309.8	1266.5	1213.0	1161.2	1128.4	1111.0	1105.9	1107.6
20°	1311.5	1292.4	1240.6	1175.0	1118.0	1083.4	1066.2	1062.7	1064.4
22.5°	1282.1	1259.6	1200.9	1130.0	1067.8	1031.6	1016.0	1016.0	1014.3
25°	1244.1	1219.9	1155.9	1081.6	1014.3	978.0	965.9	967.6	967.6
27.5°	1194.0	1169.9	1105.9	1026.3	959.0	922.7	914.1	917.6	919.2
30°	1131.8	1105.9	1038.5	960.7	898.5	862.3	857.0	862.3	863.9
32.5°	1055.7	1036.8	971.1	891.6	832.9	801.7	800.1	805.2	812.1
35°	976.3	955.6	895.1	822.6	767.1	741.2	741.2	749.9	755.1
37.5°	889.8	869.2	813.9	753.4	706.7	682.5	685.9	694.6	696.4
40°	798.3	782.7	736.1	684.3	644.6	625.5	630.6	639.3	641.1
42.5°	711.9	698.1	660.0	613.4	584.0	570.2	577.1	587.5	590.9
45°	634.1	618.6	587.5	547.8	523.5	516.6	525.3	532.2	535.6
47.5°	563.3	549.4	523.5	487.3	470.0	466.6	475.1	478.7	482.1
50°	501.0	487.3	461.3	428.5	414.7	414.7	421.6	425.1	423.3
52.5°	440.6	428.5	404.4	376.7	368.0	368.0	373.2	375.0	378.5
55°	390.5	378.5	357.7	331.7	324.8	321.4	324.8	324.8	328.3
57.5°	343.9	333.5	314.5	290.2	281.7	278.2	276.4	274.8	278.2
60°	302.4	293.8	273.0	252.3	245.4	236.7	229.8	222.9	224.6
62.5°	264.3	255.8	236.7	216.0	209.0	197.0	188.3	179.7	183.1
65°	228.1	219.5	202.1	184.9	174.5	160.8	146.8	141.7	145.2
67.5°	195.2	188.3	171.1	153.7	145.2	129.6	115.8	115.8	117.5
70°	162.4	155.5	141.7	126.2	115.8	101.9	96.8	98.4	98.4
72.5°	133.0	127.8	114.0	100.2	89.9	81.2	81.2	83.0	84.7
75°	105.3	101.9	88.1	76.0	69.1	64.0	67.4	69.1	70.9
77.5°	81.2	76.0	65.6	57.1	51.8	53.6	57.1	58.7	60.5
80°	57.1	55.3	46.6	41.5	39.7	41.5	44.9	46.6	46.6
82.5°	36.3	34.6	29.4	27.7	27.7	29.4	32.8	32.8	32.8
85°	19.0	17.2	15.6	15.6	17.2	19.0	20.7	20.7	20.7
87.5°	6.9	5.2	6.9	6.9	8.7	8.7	8.7	8.7	8.7
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)