

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: P582214

Luminaire Tested: **HCC6S30D010MW-HM63040927-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582214
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: HCC6S30D010MW-HM63040927-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

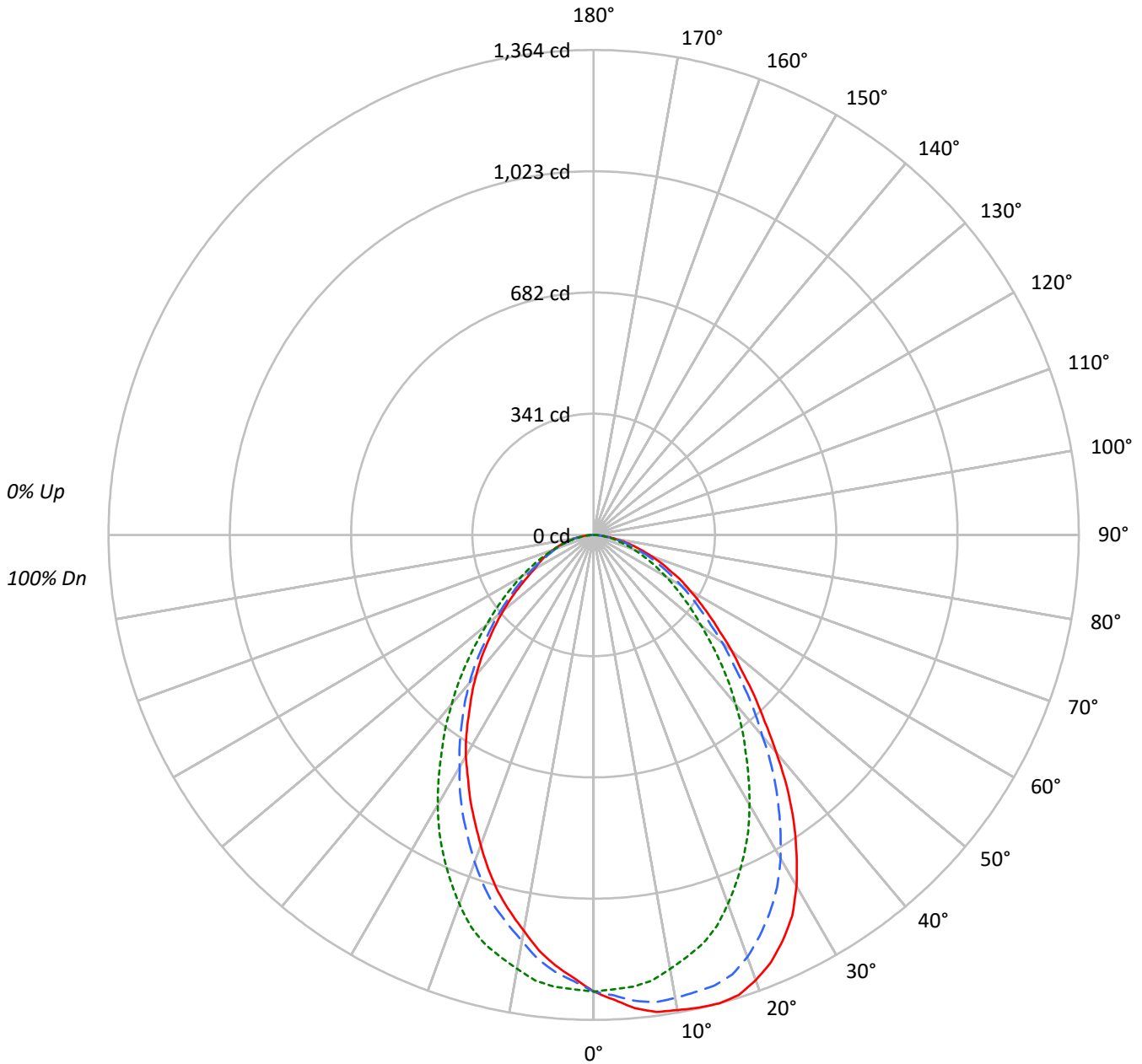
Lumens per Lamp: N/A
Luminaire Lumens: 2392.3 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582214
CATALOG NUMBER: HCC6S30D010MW-HM63040927-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P582214

CATALOG NUMBER: HCC6S30D010MW-HM63040927-61WWW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	70400	70400	70400
5°	73525	70201	66960
10°	75533	68987	62925
15°	77401	67492	58956
20°	77742	64435	54156
25°	76111	60324	49660
30°	72214	55471	45520
35°	65591	49858	40836
40°	57143	44405	36740
45°	49447	38864	32298
50°	43188	33466	28298
55°	38164	29409	24286
60°	34295	25776	21040
65°	30717	22428	20404
70°	27424	19122	19122
75°	23807	16119	17940
80°	19100	13638	16353
85°	13020	11951	14152



TEST NUMBER: P582214

CATALOG NUMBER: HCC6S30D010MW-HM63040927-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	5.0
10°-20°	335.5	14.0
20°-30°	467.6	19.5
30°-40°	481.8	20.1
40°-50°	399.3	16.7
50°-60°	287.0	12.0
60°-70°	182.7	7.6
70°-80°	93.9	3.9
80°-90°	23.9	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°	923.8	38.6
0°-40°	1405.6	58.8
0°-60°	2091.9	87.4
0°-90°	2392.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2392.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1284	1284	1284	1284	1284	
5°	1336	1315	1276	1234	1217	128
15°	1364	1312	1189	1080	1039	384
25°	1258	1172	997	869	821	577
35°	980	900	745	646	610	609
45°	638	593	501	437	417	494
55°	399	366	308	273	254	360
65°	237	211	173	150	157	237
75°	112	97	76	80	85	120
85°	21	19	19	21	22	27
90°	0	0	0	0	0	

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



TEST NUMBER: P582214

CATALOG NUMBER: HCC6S30D010MW-HM63040927-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2
2.5°	1308.5	1303.3	1296.4	1289.5	1279.1	1267.0	1256.7	1253.2	1248.0
5°	1336.1	1329.2	1315.4	1298.2	1275.7	1253.2	1234.2	1222.1	1216.8
7.5°	1353.4	1344.8	1325.7	1296.4	1263.6	1230.7	1203.0	1185.8	1178.9
10°	1356.9	1348.2	1322.3	1282.6	1239.3	1194.4	1159.9	1139.1	1130.4
12.5°	1362.1	1350.0	1317.2	1270.4	1215.2	1163.3	1120.0	1094.1	1085.6
15°	1363.8	1350.0	1311.9	1254.9	1189.2	1126.9	1080.3	1049.2	1038.8
17.5°	1356.9	1341.3	1296.4	1227.3	1152.9	1087.2	1031.9	999.1	985.2
20°	1332.6	1315.4	1263.6	1185.8	1104.5	1035.4	978.3	943.7	928.3
22.5°	1301.6	1279.1	1220.3	1137.4	1052.6	980.1	923.0	888.4	872.8
25°	1258.3	1237.6	1171.9	1083.8	997.3	921.2	869.4	833.1	821.0
27.5°	1208.3	1184.0	1116.6	1028.5	940.3	864.3	814.1	781.3	765.7
30°	1140.8	1118.4	1051.0	962.7	876.3	805.4	753.6	726.0	719.1
32.5°	1061.3	1042.3	976.6	893.7	810.7	745.0	701.7	672.4	665.5
35°	980.1	957.6	900.5	822.8	745.0	686.2	646.5	620.5	610.2
37.5°	891.9	871.2	822.8	753.6	684.5	629.2	594.6	572.1	561.8
40°	798.5	783.0	738.0	682.7	620.5	572.1	542.8	523.8	513.4
42.5°	712.1	696.6	665.5	613.6	561.8	518.5	492.6	475.4	466.7
45°	637.8	624.0	592.8	547.9	501.3	465.0	437.3	425.2	416.6
47.5°	563.5	556.6	528.9	487.5	444.2	413.1	394.2	380.2	373.3
50°	506.4	497.8	471.9	428.6	392.4	368.1	350.9	338.7	331.8
52.5°	447.7	439.1	414.8	378.6	349.2	326.7	309.4	299.0	292.1
55°	399.3	392.4	366.4	333.6	307.7	288.7	273.1	261.0	254.1
57.5°	354.3	347.4	323.3	292.1	269.7	252.3	238.5	228.2	219.5
60°	312.8	307.7	283.5	254.1	235.1	217.8	205.7	197.0	191.9
62.5°	276.6	266.2	245.4	219.5	202.2	188.5	176.3	171.1	174.5
65°	236.8	231.6	210.9	188.5	172.9	159.0	150.4	153.9	157.3
67.5°	203.9	197.0	179.8	159.0	145.2	134.8	129.6	136.5	138.3
70°	171.1	164.2	148.6	131.4	119.3	112.4	112.4	117.6	119.3
72.5°	140.1	134.8	121.0	107.1	98.6	93.3	96.8	100.2	102.0
75°	112.4	107.1	96.8	84.7	76.1	76.1	79.5	83.0	84.7
77.5°	86.4	83.0	72.6	64.0	60.5	60.5	64.0	65.6	67.4
80°	60.5	57.1	51.8	46.7	43.2	46.7	50.2	50.2	51.8
82.5°	39.7	38.0	34.6	31.2	31.2	32.8	34.6	36.3	36.3
85°	20.7	20.7	19.0	17.2	19.0	20.7	20.7	22.5	22.5
87.5°	6.9	6.9	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)