

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: P582177

Luminaire Tested: **HCC6S30D010SL-HM63040835-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582177
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: HCC6S30D010SL-HM63040835-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

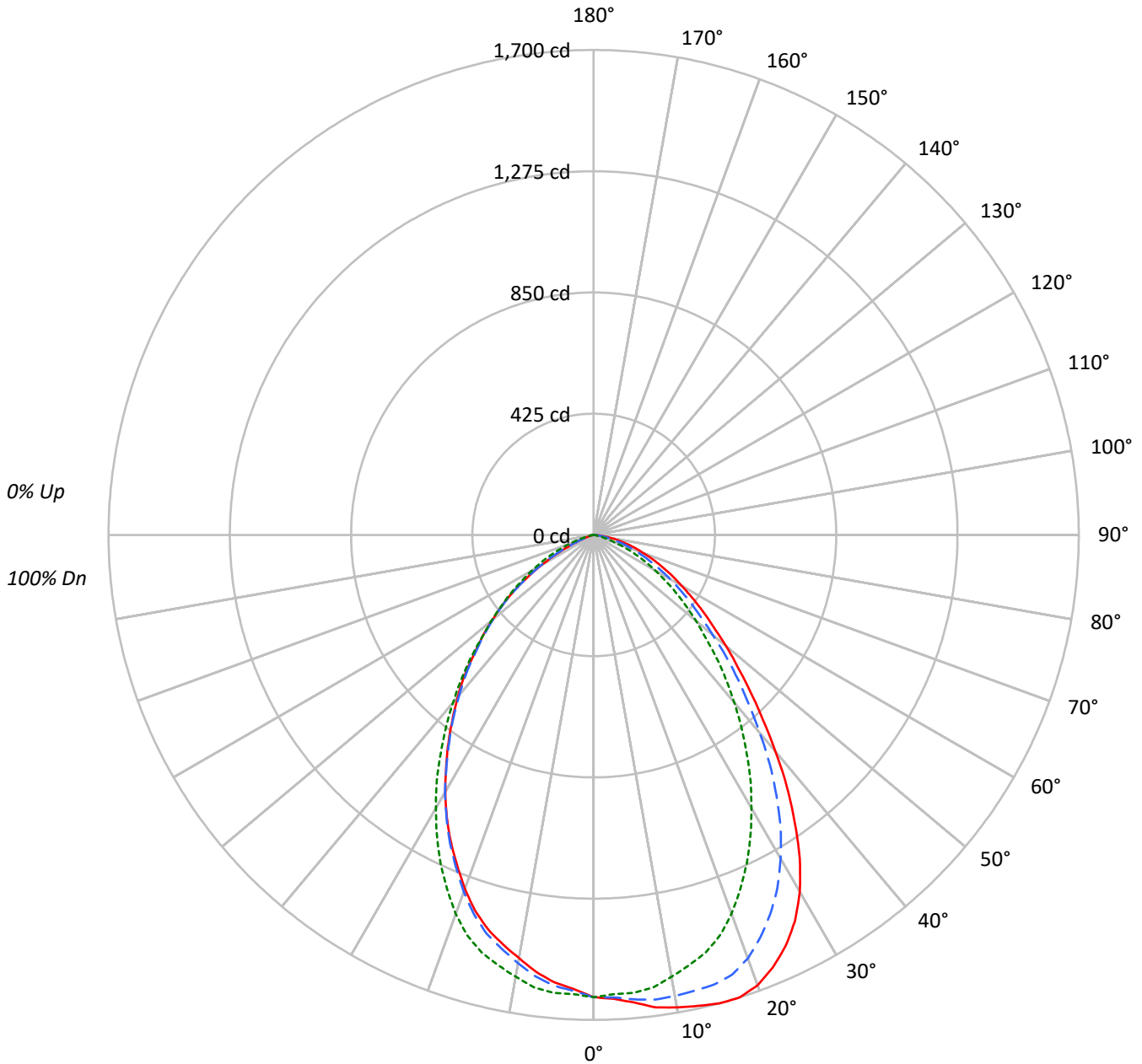
Lumens per Lamp: N/A
Luminaire Lumens: 2887.7 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582177
CATALOG NUMBER: HCC6S30D010SL-HM63040835-61WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P582177

CATALOG NUMBER: HCC6S30D010SL-HM63040835-61WWBB

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	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°	88836	88836	88836
5°	90551	88669	86661
10°	93630	87540	83861
15°	96493	86016	81232
20°	97991	82432	76983
25°	96223	76789	71684
30°	91470	69973	65789
35°	82215	62533	59327
40°	70947	54803	53006
45°	60076	47175	45943
50°	51512	39845	39453
55°	44653	33547	32238
60°	38977	27235	22981
65°	34297	20988	12712
70°	29604	13881	6219
75°	25099	6757	2415
80°	19447	2904	1421
85°	11448	1447	1447



TEST NUMBER: P582177
 CATALOG NUMBER: HCC6S30D010SL-HM63040835-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.9	5.3
10°-20°	432.4	15.0
20°-30°	609.0	21.1
30°-40°	622.2	21.5
40°-50°	501.6	17.4
50°-60°	336.5	11.7
60°-70°	170.3	5.9
70°-80°	54.4	1.9
80°-90°	8.4	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°	1194.3	41.4
0°-40°	1816.5	62.9
0°-60°	2654.6	91.9
0°-90°	2887.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2887.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1620	1620	1620	1620	1620	
5°	1646	1634	1611	1586	1575	158
15°	1700	1632	1516	1447	1431	480
25°	1591	1465	1270	1192	1185	728
35°	1228	1117	934	882	886	764
45°	775	713	608	588	593	603
55°	467	415	351	335	337	420
65°	264	219	162	107	98	264
75°	118	84	32	11	11	127
85°	18	9	2	2	2	24
90°	0	0	0	0	0	



TEST NUMBER: P582177

CATALOG NUMBER: HCC6S30D010SL-HM63040835-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1620.5	1620.5	1620.5	1620.5	1620.5	1620.5	1620.5	1620.5	1620.5
2.5°	1627.3	1625.0	1622.7	1618.1	1611.3	1604.4	1599.9	1595.4	1593.1
5°	1645.5	1640.9	1634.2	1625.0	1611.3	1595.4	1586.2	1577.1	1574.8
7.5°	1670.5	1661.5	1643.2	1622.7	1599.9	1577.1	1561.2	1552.1	1545.2
10°	1682.0	1666.0	1640.9	1606.8	1572.6	1545.2	1524.7	1511.0	1506.5
12.5°	1691.1	1672.8	1636.4	1590.8	1545.2	1508.7	1486.0	1474.6	1470.0
15°	1700.2	1682.0	1631.8	1572.6	1515.6	1472.3	1447.3	1435.8	1431.3
17.5°	1700.2	1675.2	1615.9	1540.7	1472.3	1419.9	1394.8	1383.4	1381.1
20°	1679.7	1652.4	1579.5	1490.5	1413.0	1353.8	1331.0	1324.2	1319.6
22.5°	1640.9	1609.1	1527.0	1426.7	1342.4	1285.4	1260.3	1255.8	1251.2
25°	1590.8	1558.9	1465.4	1358.3	1269.5	1212.4	1192.0	1187.5	1185.1
27.5°	1527.0	1492.8	1394.8	1285.4	1189.7	1135.0	1116.7	1116.7	1114.4
30°	1445.0	1406.2	1310.5	1201.1	1105.4	1055.2	1041.6	1041.6	1039.3
32.5°	1344.6	1305.9	1219.3	1114.4	1023.4	970.9	959.5	964.0	961.8
35°	1228.5	1196.5	1116.7	1014.2	934.4	886.5	882.0	886.5	886.5
37.5°	1112.2	1082.6	1014.2	925.3	850.1	806.9	806.9	813.6	811.4
40°	991.4	968.6	904.8	827.3	765.8	736.1	731.6	738.4	740.7
42.5°	877.5	859.2	804.5	740.7	686.1	656.3	663.2	667.7	670.0
45°	774.9	756.7	713.4	647.3	608.5	588.0	588.0	594.9	592.6
47.5°	683.7	670.0	626.7	563.0	528.7	519.6	524.2	528.7	528.7
50°	604.0	583.4	542.4	492.2	467.2	455.9	460.4	462.6	462.6
52.5°	528.7	515.1	474.1	428.5	405.7	398.8	398.8	401.2	401.2
55°	467.2	451.2	414.8	369.2	351.0	341.8	335.1	332.8	337.3
57.5°	407.9	394.3	360.1	316.7	296.3	287.1	273.5	269.0	273.5
60°	355.5	344.1	310.0	269.0	248.4	230.2	214.3	205.1	209.6
62.5°	310.0	296.3	262.1	227.9	205.1	184.7	159.6	145.9	152.7
65°	264.4	253.0	218.8	184.7	161.8	136.7	107.1	98.0	98.0
67.5°	223.3	212.0	180.0	150.4	123.1	93.5	66.1	63.8	66.1
70°	184.7	173.2	145.9	116.3	86.6	57.0	38.8	38.8	38.8
72.5°	152.7	139.0	113.9	84.3	54.7	29.6	20.6	22.8	22.8
75°	118.5	107.1	84.3	57.0	31.9	13.7	11.4	11.4	11.4
77.5°	88.9	79.8	59.2	36.5	15.9	4.5	4.5	4.5	4.5
80°	61.6	52.4	38.8	22.8	9.2	4.5	4.5	4.5	4.5
82.5°	36.5	31.9	22.8	11.4	4.5	2.3	2.3	2.3	2.3
85°	18.2	15.9	9.2	4.5	2.3	2.3	2.3	2.3	2.3
87.5°	4.5	4.5	2.3	2.3	0.0	2.3	2.3	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)