

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: P582233

Luminaire Tested: **HCC6S30D010SL-HM63040930-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582233
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: HCC6S30D010SL-HM63040930-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

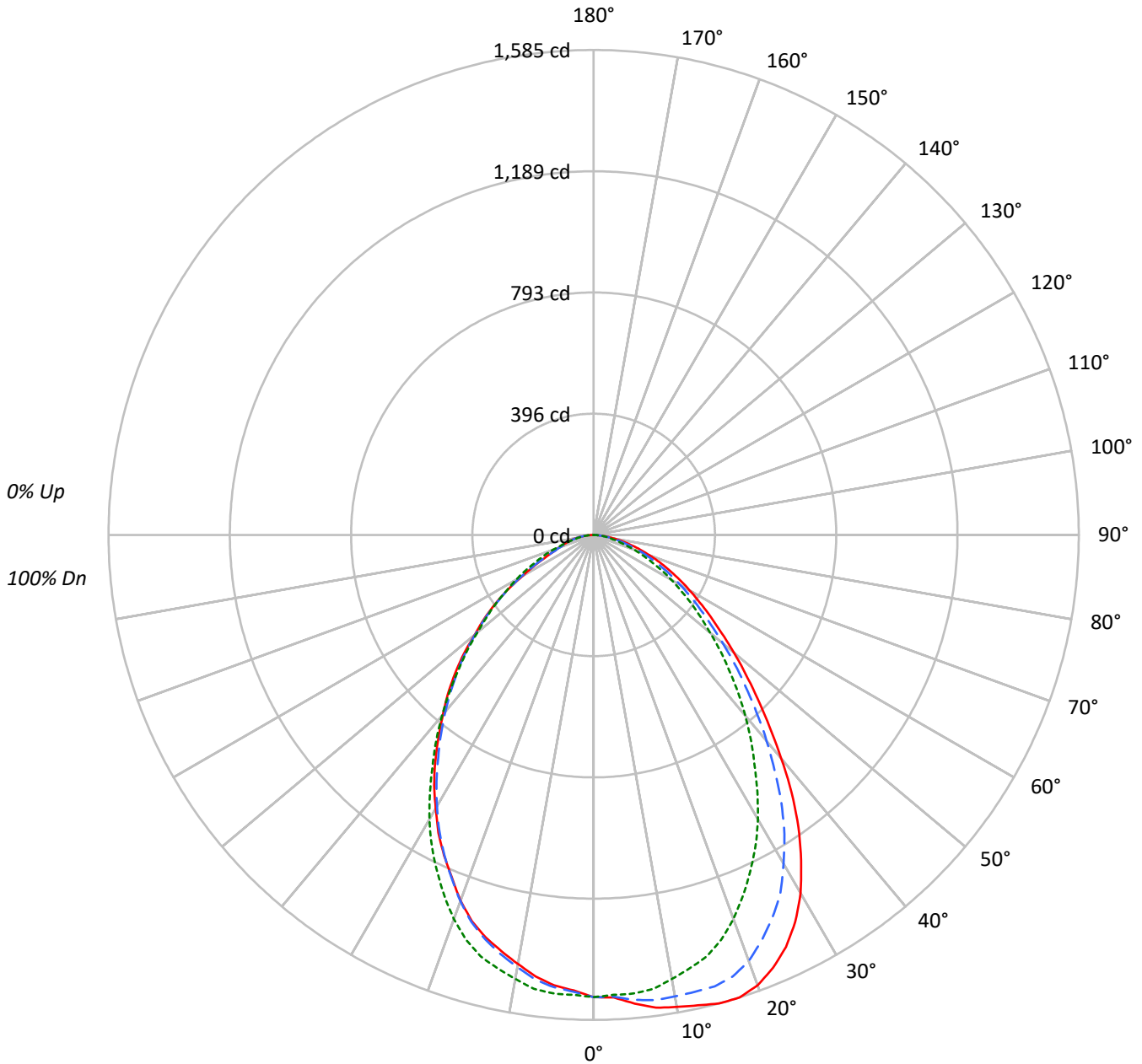
Lumens per Lamp: N/A
Luminaire Lumens: 2958.7 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (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: P582233
CATALOG NUMBER: HCC6S30D010SL-HM63040930-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P582233

CATALOG NUMBER: HCC6S30D010SL-HM63040930-61WWWB

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°	82817	82817	82817
5°	84613	82797	81323
10°	87201	82029	79274
15°	89961	80943	77310
20°	91387	77905	74171
25°	89884	73280	69911
30°	85576	67935	65320
35°	78046	61328	60365
40°	68242	55096	54796
45°	58727	48486	49602
50°	51043	42242	43129
55°	44577	37084	37475
60°	39602	32136	29427
65°	35335	27033	22493
70°	31095	22167	18849
75°	26667	17474	17940
80°	21499	14964	17616
85°	14278	13020	15536



TEST NUMBER: P582233
 CATALOG NUMBER: HCC6S30D010SL-HM63040930-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	4.8
10°-20°	407.2	13.8
20°-30°	581.3	19.6
30°-40°	608.9	20.6
40°-50°	512.7	17.3
50°-60°	364.9	12.3
60°-70°	213.6	7.2
70°-80°	101.1	3.4
80°-90°	26.0	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°	1131.6	38.2
0°-40°	1740.5	58.8
0°-60°	2618.0	88.5
0°-90°	2958.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2958.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1511	1511	1511	1511	1511	
5°	1538	1525	1505	1484	1478	148
15°	1585	1527	1426	1368	1362	447
25°	1486	1381	1212	1154	1156	680
35°	1166	1069	916	885	902	724
45°	758	702	625	627	640	588
55°	466	427	388	388	392	420
65°	272	242	208	175	173	272
75°	126	105	82	80	85	135
85°	23	18	21	25	25	29
90°	0	0	0	0	0	

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



TEST NUMBER: P582233

CATALOG NUMBER: HCC6S30D010SL-HM63040930-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1510.7	1510.7	1510.7	1510.7	1510.7	1510.7	1510.7	1510.7	1510.7
2.5°	1512.9	1512.9	1510.7	1508.7	1504.6	1498.4	1494.3	1490.2	1490.2
5°	1537.6	1533.5	1525.2	1514.9	1504.6	1492.2	1484.0	1477.8	1477.8
7.5°	1558.3	1550.0	1533.5	1514.9	1496.4	1479.8	1465.4	1457.1	1455.1
10°	1566.5	1556.2	1531.4	1502.5	1473.6	1450.9	1434.4	1424.1	1424.1
12.5°	1574.8	1562.3	1529.4	1488.2	1450.9	1420.0	1403.5	1395.2	1393.2
15°	1585.1	1568.6	1527.3	1475.7	1426.2	1391.1	1368.4	1362.2	1362.2
17.5°	1585.1	1564.5	1512.9	1448.9	1387.0	1347.7	1327.2	1320.9	1323.0
20°	1566.5	1543.8	1481.9	1403.5	1335.4	1294.1	1273.4	1269.4	1271.4
22.5°	1531.4	1504.6	1434.4	1349.9	1275.6	1232.2	1213.6	1213.6	1211.5
25°	1486.0	1457.1	1380.8	1292.0	1211.5	1168.2	1153.7	1155.8	1155.8
27.5°	1426.2	1397.3	1320.9	1226.0	1145.5	1102.1	1091.9	1095.9	1098.0
30°	1351.9	1320.9	1240.5	1147.5	1073.2	1029.9	1023.7	1029.9	1031.9
32.5°	1261.1	1238.3	1160.0	1065.0	994.8	957.6	955.6	961.8	970.1
35°	1166.2	1141.3	1069.1	982.5	916.4	885.4	885.4	895.8	902.0
37.5°	1063.0	1038.1	972.1	899.8	844.2	815.3	819.3	829.7	831.8
40°	953.6	934.9	879.3	817.3	769.9	747.2	753.4	763.7	765.7
42.5°	850.4	833.8	788.4	732.7	697.6	681.1	689.4	701.7	705.9
45°	757.5	738.8	701.7	654.3	625.4	617.1	627.4	635.6	639.8
47.5°	672.9	656.3	625.4	582.0	561.4	557.3	567.6	571.7	575.8
50°	598.5	582.0	551.1	511.9	495.3	495.3	503.5	507.7	505.7
52.5°	526.3	511.9	483.0	449.9	439.6	439.6	445.8	447.9	452.1
55°	466.4	452.1	427.2	396.3	388.0	383.9	388.0	388.0	392.1
57.5°	410.7	398.3	375.6	346.7	336.4	332.3	330.2	328.2	332.3
60°	361.2	350.9	326.1	301.3	293.1	282.7	274.5	266.2	268.4
62.5°	315.8	305.5	282.7	258.0	249.7	235.3	225.0	214.6	218.8
65°	272.4	262.2	241.5	220.8	208.4	191.9	175.4	169.2	173.4
67.5°	233.3	225.0	204.3	183.7	173.4	154.8	138.3	138.3	140.3
70°	194.0	185.7	169.2	150.6	138.3	121.8	115.6	117.6	117.6
72.5°	159.0	152.8	136.3	119.7	107.4	97.0	97.0	99.0	101.2
75°	125.9	121.8	105.2	90.8	82.5	76.3	80.5	82.5	84.7
77.5°	97.0	90.8	78.5	68.1	61.9	64.0	68.1	70.2	72.3
80°	68.1	66.0	55.8	49.6	47.4	49.6	53.6	55.8	55.8
82.5°	43.4	41.3	35.1	33.1	33.1	35.1	39.2	39.2	39.2
85°	22.7	20.7	18.5	18.5	20.7	22.7	24.7	24.7	24.7
87.5°	8.2	6.2	8.2	8.2	10.3	10.3	10.3	10.3	10.3
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)