

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: P582242

Luminaire Tested: **HCC6S30D010SL-HM63040935-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010SL-HM63040935-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

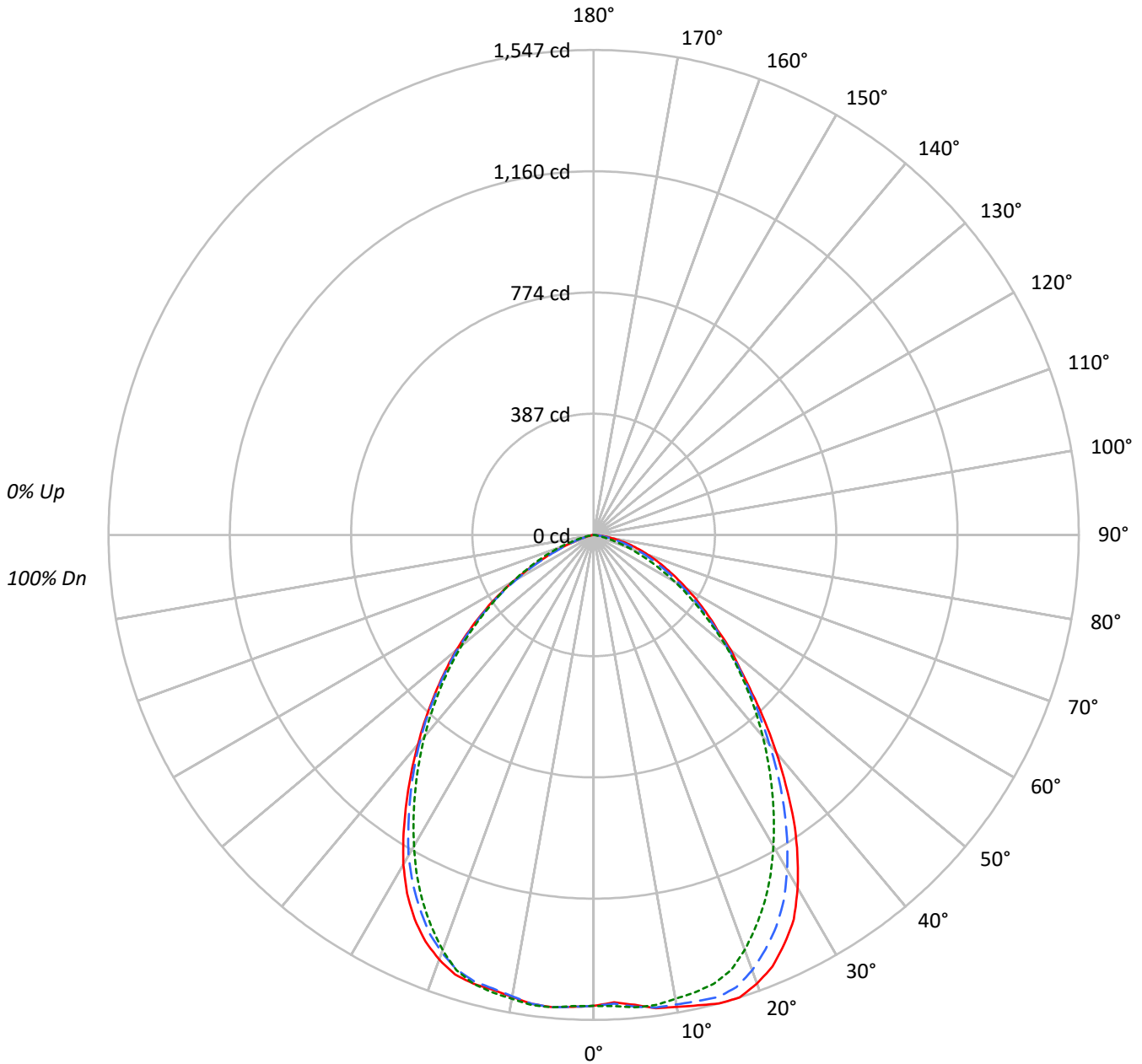
Lumens per Lamp: N/A
Luminaire Lumens: 3033.3 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582242
CATALOG NUMBER: HCC6S30D010SL-HM63040935-61RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P582242

CATALOG NUMBER: HCC6S30D010SL-HM63040935-61RWWC

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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68			68
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60			60
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			53
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47			47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42			42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	82367	82367	82367
5°	82797	83238	83238
10°	85108	83638	83298
15°	87810	84115	84115
20°	88844	82187	84089
25°	87066	78077	81767
30°	82348	72555	76809
35°	74526	66354	69627
40°	64836	60027	62353
45°	55401	53509	55401
50°	48612	46881	48783
55°	42426	39502	41059
60°	37508	32815	32366
65°	33272	25878	22181
70°	29364	18272	13384
75°	25015	10357	6481
80°	18658	3220	1926
85°	10253	1258	1258



TEST NUMBER: P582242
 CATALOG NUMBER: HCC6S30D010SL-HM63040935-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	4.8
10°-20°	421.7	13.9
20°-30°	615.9	20.3
30°-40°	645.9	21.3
40°-50°	544.1	17.9
50°-60°	381.2	12.6
60°-70°	204.4	6.7
70°-80°	68.6	2.3
80°-90°	7.4	0.2
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°	1181.6	39.0
0°-40°	1827.5	60.2
0°-60°	2752.9	90.8
0°-90°	3033.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3033.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1502	1502	1502	1502	1502	
5°	1505	1511	1513	1513	1513	145
15°	1547	1527	1482	1474	1482	436
25°	1439	1378	1291	1313	1352	659
35°	1114	1057	992	1020	1040	691
45°	715	702	690	708	715	557
55°	444	430	413	421	430	400
65°	256	234	200	165	171	256
75°	118	92	49	31	31	125
85°	16	8	2	2	2	22
90°	0	0	0	0	0	

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



TEST NUMBER: P582242

CATALOG NUMBER: HCC6S30D010SL-HM63040935-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5
2.5°	1492.3	1492.3	1496.4	1500.4	1504.6	1504.6	1506.6	1508.6	1506.6
5°	1504.6	1504.6	1510.6	1512.6	1512.6	1510.6	1512.6	1512.6	1512.6
7.5°	1522.9	1518.7	1520.8	1516.7	1512.6	1510.6	1508.6	1508.6	1508.6
10°	1528.9	1524.9	1520.8	1512.6	1502.5	1496.4	1494.3	1496.4	1496.4
12.5°	1537.1	1533.0	1522.9	1506.6	1494.3	1484.1	1482.1	1486.2	1486.2
15°	1547.2	1543.2	1526.9	1500.4	1482.1	1472.0	1474.0	1478.0	1482.1
17.5°	1547.2	1539.2	1512.6	1478.0	1455.7	1445.5	1453.7	1463.8	1470.0
20°	1522.9	1514.7	1478.0	1435.2	1408.8	1402.8	1416.9	1435.2	1441.4
22.5°	1490.3	1474.0	1431.2	1380.3	1351.8	1351.8	1372.2	1394.6	1402.8
25°	1439.4	1427.2	1378.3	1319.2	1290.8	1288.8	1313.1	1343.7	1351.8
27.5°	1382.3	1366.0	1313.1	1252.0	1221.6	1223.6	1250.0	1280.6	1288.8
30°	1300.9	1280.6	1233.7	1174.7	1146.2	1154.4	1180.8	1203.1	1213.4
32.5°	1209.3	1191.0	1148.2	1093.3	1068.8	1077.0	1099.3	1119.7	1127.9
35°	1113.6	1093.3	1056.7	1007.8	991.5	999.6	1019.9	1036.2	1040.4
37.5°	1005.8	991.5	965.0	926.3	914.1	924.3	940.6	950.7	954.9
40°	906.0	893.8	871.3	842.9	838.8	846.9	863.2	869.3	871.3
42.5°	808.3	798.1	783.8	763.5	763.5	771.5	785.8	790.0	792.0
45°	714.6	708.5	702.3	686.1	690.2	700.3	708.5	714.6	714.6
47.5°	633.1	635.2	627.1	614.8	618.9	629.1	635.2	641.3	641.3
50°	570.0	563.9	555.7	543.6	549.7	557.9	566.0	570.0	572.0
52.5°	496.8	494.7	488.6	474.4	478.5	482.5	490.7	496.8	498.8
55°	443.9	437.7	429.6	413.3	413.3	417.3	421.4	425.5	429.6
57.5°	393.0	386.8	374.7	356.2	354.2	354.2	352.2	356.2	362.4
60°	342.1	339.9	321.6	305.3	299.3	293.2	285.0	287.0	295.2
62.5°	297.2	293.2	276.9	256.5	244.3	234.1	223.9	221.9	230.1
65°	256.5	252.4	234.1	213.8	199.5	181.2	164.9	164.9	171.0
67.5°	219.8	211.8	195.5	173.0	154.7	132.3	116.0	120.1	122.1
70°	183.2	177.2	158.9	136.4	114.0	91.7	81.4	83.5	83.5
72.5°	150.6	142.6	124.1	101.8	79.4	59.1	54.9	52.9	52.9
75°	118.1	110.0	91.7	69.2	48.9	34.6	30.6	30.6	30.6
77.5°	85.5	79.4	63.1	42.8	26.5	16.3	14.3	12.2	12.2
80°	59.1	52.9	38.6	22.4	10.2	6.1	6.1	6.1	6.1
82.5°	34.6	28.5	18.3	10.2	4.0	2.0	2.0	2.0	2.0
85°	16.3	12.2	8.1	4.0	2.0	2.0	2.0	2.0	2.0
87.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	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)