

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: P582135

Luminaire Tested: **HCC6S30D010SL-HM63040827-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010SL-HM63040827-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

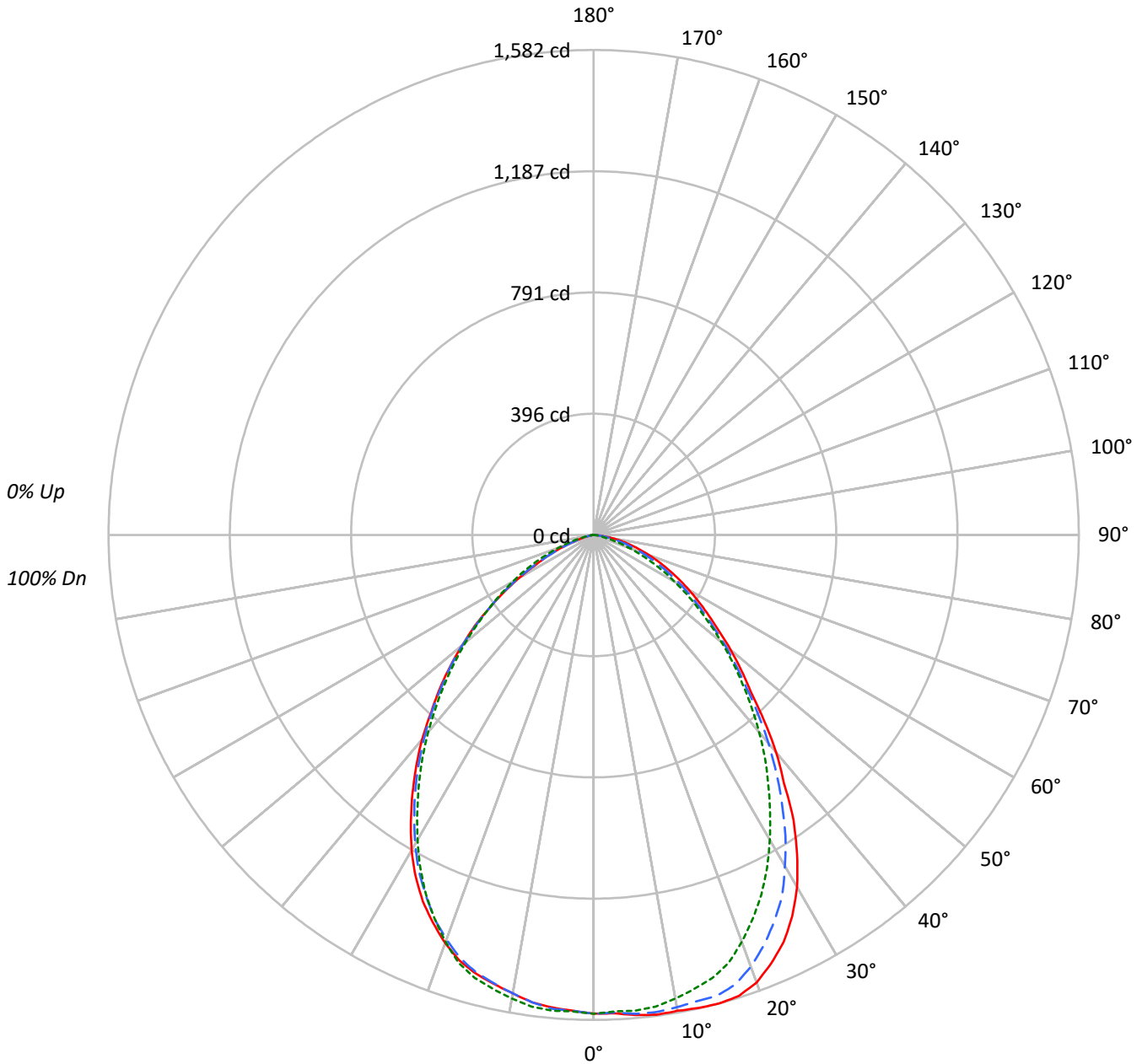
Lumens per Lamp: N/A
Luminaire Lumens: 3060.6 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582135
CATALOG NUMBER: HCC6S30D010SL-HM63040827-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582135

CATALOG NUMBER: HCC6S30D010SL-HM63040827-61RWWH

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	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	85624	85624	85624
5°	86517	85725	85164
10°	87746	85469	84551
15°	89808	84927	84115
20°	90646	82403	82642
25°	88656	78259	79747
30°	83962	72701	75157
35°	76031	66441	68911
40°	66217	60063	62260
45°	56184	53168	55068
50°	49755	46446	47657
55°	43831	39721	39521
60°	39273	33440	30754
65°	35062	26825	22039
70°	30839	19362	13784
75°	26010	11713	7816
80°	20047	5177	3220
85°	11573	1258	1258



TEST NUMBER: P582135
 CATALOG NUMBER: HCC6S30D010SL-HM63040827-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	4.8
10°-20°	426.1	13.9
20°-30°	616.0	20.1
30°-40°	648.1	21.2
40°-50°	544.9	17.8
50°-60°	382.4	12.5
60°-70°	210.4	6.9
70°-80°	74.7	2.4
80°-90°	9.8	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°	1190.3	38.9
0°-40°	1838.5	60.1
0°-60°	2765.7	90.4
0°-90°	3060.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3060.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1562	1562	1562	1562	1562	
5°	1572	1568	1558	1552	1548	150
15°	1582	1556	1496	1478	1482	447
25°	1466	1392	1294	1296	1318	671
35°	1136	1071	993	1013	1030	704
45°	725	704	686	702	710	569
55°	459	434	416	416	414	413
65°	270	242	207	170	170	269
75°	123	98	55	37	37	132
85°	18	10	2	2	2	25
90°	0	0	0	0	0	



TEST NUMBER: P582135

CATALOG NUMBER: HCC6S30D010SL-HM63040827-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1561.9	1561.9	1561.9	1561.9	1561.9	1561.9	1561.9	1561.9	1561.9
2.5°	1561.9	1561.9	1559.8	1559.8	1555.8	1555.8	1553.8	1553.8	1553.8
5°	1572.2	1572.2	1568.1	1561.9	1557.8	1551.6	1551.6	1549.6	1547.6
7.5°	1578.3	1576.3	1570.1	1561.9	1551.6	1541.4	1537.4	1539.4	1537.4
10°	1576.3	1572.2	1564.0	1547.6	1535.4	1521.0	1518.9	1516.9	1518.9
12.5°	1580.3	1574.2	1557.8	1537.4	1516.9	1500.5	1498.5	1498.5	1500.5
15°	1582.4	1576.3	1555.8	1525.1	1496.4	1480.1	1478.0	1480.1	1482.1
17.5°	1576.3	1568.1	1537.4	1496.4	1463.7	1447.3	1447.3	1451.4	1455.5
20°	1553.8	1541.4	1498.5	1449.4	1412.5	1400.2	1404.3	1412.5	1416.6
22.5°	1512.8	1498.5	1449.4	1394.1	1355.2	1344.9	1355.2	1365.4	1369.5
25°	1465.7	1449.4	1392.0	1334.7	1293.8	1281.5	1295.8	1312.2	1318.4
27.5°	1402.3	1383.9	1330.6	1265.1	1224.2	1218.0	1234.4	1252.8	1256.9
30°	1326.4	1306.0	1246.7	1185.3	1148.5	1146.3	1164.7	1181.2	1187.3
32.5°	1234.4	1216.0	1164.7	1103.4	1070.6	1070.6	1089.0	1103.4	1109.6
35°	1136.1	1115.6	1070.6	1019.4	992.8	994.8	1013.3	1023.5	1029.7
37.5°	1019.4	1013.3	978.5	935.5	917.1	921.2	935.5	943.7	949.9
40°	925.3	908.9	886.4	851.6	839.3	843.4	857.7	865.9	870.0
42.5°	822.9	812.7	794.3	769.8	761.6	767.6	780.0	786.0	784.0
45°	724.7	722.7	704.2	689.9	685.8	694.0	702.1	708.3	710.3
47.5°	653.0	644.8	628.5	618.2	614.1	622.3	630.5	634.6	634.6
50°	583.4	575.2	558.8	548.6	544.6	552.8	558.8	563.0	558.8
52.5°	513.8	505.7	491.3	479.0	477.0	481.1	483.1	485.1	489.3
55°	458.6	450.4	434.0	419.6	415.6	417.6	415.6	415.6	413.5
57.5°	405.3	397.1	380.7	364.4	358.2	356.2	350.0	348.0	346.0
60°	358.2	348.0	331.6	313.2	305.0	296.8	286.5	280.5	280.5
62.5°	313.2	303.0	284.5	268.1	255.9	241.6	225.2	217.0	217.0
65°	270.3	262.1	241.6	223.2	206.8	188.3	169.9	165.9	169.9
67.5°	229.2	221.0	200.6	182.2	161.7	139.2	122.8	122.8	126.9
70°	192.4	184.3	165.9	143.3	120.8	98.2	86.0	86.0	86.0
72.5°	157.7	149.5	129.0	108.4	86.0	63.5	57.3	59.3	57.3
75°	122.8	116.6	98.2	75.7	55.3	38.9	36.9	34.8	36.9
77.5°	92.1	86.0	69.6	49.1	30.7	22.5	20.5	20.5	20.5
80°	63.5	57.3	45.1	28.7	16.4	10.2	10.2	10.2	10.2
82.5°	38.9	32.7	24.6	14.4	6.2	6.2	6.2	6.2	6.2
85°	18.4	14.4	10.2	4.0	2.0	2.0	2.0	2.0	2.0
87.5°	4.0	4.0	2.0	2.0	0.0	2.0	2.0	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)