

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: P582358

Luminaire Tested: **HCC6S35D010SL-HM63040927-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582358
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: HCC6S35D010SL-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

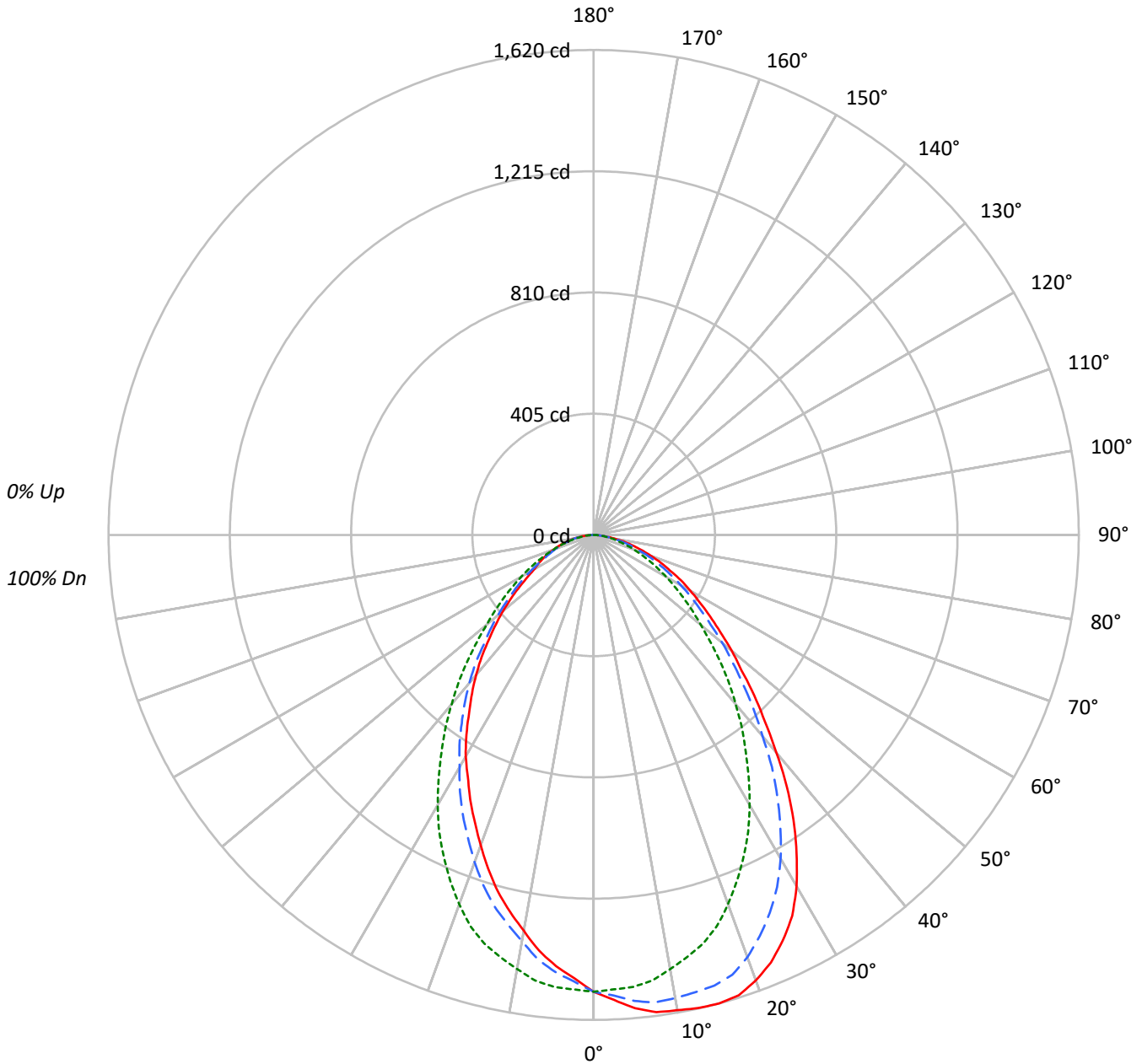
Lumens per Lamp: N/A
Luminaire Lumens: 2842.4 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P582358
CATALOG NUMBER: HCC6S35D010SL-HM63040927-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P582358

CATALOG NUMBER: HCC6S35D010SL-HM63040927-61WWW

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	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°	83650	83650	83650
5°	87359	83403	79562
10°	89739	81968	74765
15°	91964	80188	70046
20°	92373	76557	64336
25°	90429	71678	59005
30°	85804	65909	54084
35°	77925	59240	48513
40°	67899	52763	43653
45°	58750	46168	38368
50°	51316	39760	33628
55°	45341	34933	28854
60°	40753	30623	24987
65°	36502	26644	24231
70°	32586	22712	22712
75°	28276	19126	21308
80°	22699	16195	19447
85°	15473	14215	16794



TEST NUMBER: P582358
 CATALOG NUMBER: HCC6S35D010SL-HM63040927-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	5.0
10°-20°	398.6	14.0
20°-30°	555.6	19.5
30°-40°	572.4	20.1
40°-50°	474.4	16.7
50°-60°	340.9	12.0
60°-70°	217.1	7.6
70°-80°	111.5	3.9
80°-90°	28.4	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°	1097.6	38.6
0°-40°	1670.0	58.8
0°-60°	2485.4	87.4
0°-90°	2842.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2842.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1526	1526	1526	1526	1526	
5°	1588	1563	1516	1466	1446	152
15°	1620	1559	1413	1284	1234	457
25°	1495	1392	1185	1033	976	685
35°	1164	1070	885	768	725	723
45°	758	704	596	520	495	587
55°	474	435	366	324	302	427
65°	281	251	205	179	187	282
75°	134	115	90	94	101	142
85°	25	23	23	25	27	32
90°	0	0	0	0	0	

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



TEST NUMBER: P582358

CATALOG NUMBER: HCC6S35D010SL-HM63040927-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9
2.5°	1554.7	1548.5	1540.2	1532.0	1519.7	1505.3	1493.1	1489.0	1482.8
5°	1587.5	1579.3	1562.8	1542.3	1515.6	1489.0	1466.3	1452.0	1445.8
7.5°	1608.0	1597.7	1575.2	1540.2	1501.2	1462.3	1429.3	1408.8	1400.6
10°	1612.1	1601.8	1571.0	1523.9	1472.5	1419.1	1378.0	1353.4	1343.1
12.5°	1618.3	1603.9	1564.9	1509.5	1443.7	1382.1	1330.7	1300.0	1289.8
15°	1620.4	1603.9	1558.8	1491.0	1412.9	1339.0	1283.6	1246.6	1234.2
17.5°	1612.1	1593.7	1540.2	1458.2	1369.8	1291.8	1226.1	1187.1	1170.6
20°	1583.4	1562.8	1501.2	1408.8	1312.3	1230.1	1162.3	1121.3	1102.8
22.5°	1546.4	1519.7	1449.9	1351.3	1250.7	1164.4	1096.6	1055.6	1037.1
25°	1495.0	1470.4	1392.3	1287.7	1185.0	1094.6	1033.0	989.8	975.5
27.5°	1435.5	1406.8	1326.6	1222.0	1117.2	1026.8	967.3	928.2	909.8
30°	1355.5	1328.7	1248.7	1143.9	1041.2	957.1	895.4	862.5	854.4
32.5°	1260.9	1238.4	1160.3	1061.7	963.1	885.2	833.8	798.9	790.6
35°	1164.4	1137.7	1070.0	977.6	885.2	815.3	768.1	737.3	724.9
37.5°	1059.8	1035.0	977.6	895.4	813.3	747.6	706.5	679.8	667.4
40°	948.8	930.3	876.9	811.2	737.3	679.8	644.9	622.2	610.0
42.5°	846.1	827.6	790.6	729.0	667.4	616.1	585.3	564.7	554.4
45°	757.8	741.4	704.4	651.1	595.5	552.5	519.5	505.2	494.9
47.5°	669.5	661.3	628.4	579.2	527.8	490.8	468.2	451.9	443.6
50°	601.7	591.4	560.6	509.3	466.2	437.4	416.9	402.5	394.3
52.5°	531.9	521.6	492.9	449.8	414.9	388.1	367.6	355.2	347.1
55°	474.4	466.2	435.4	396.3	365.5	343.0	324.4	310.1	301.9
57.5°	421.1	412.8	384.1	347.1	320.3	299.8	283.5	271.1	260.8
60°	371.7	365.5	336.8	301.9	279.3	258.7	244.4	234.1	227.9
62.5°	328.6	316.3	291.6	260.8	240.3	223.8	209.5	203.3	207.4
65°	281.4	275.2	250.6	223.8	205.4	188.9	178.7	182.8	186.8
67.5°	242.4	234.1	213.6	188.9	172.5	160.2	154.0	162.2	164.3
70°	203.3	195.1	176.6	156.0	141.7	133.5	133.5	139.7	141.7
72.5°	166.3	160.2	143.8	127.3	117.1	110.9	114.9	119.2	121.1
75°	133.5	127.3	114.9	100.6	90.3	90.3	94.5	98.6	100.6
77.5°	102.7	98.6	86.2	76.0	71.9	71.9	76.0	78.1	80.1
80°	71.9	67.8	61.6	55.4	51.3	55.4	59.5	59.5	61.6
82.5°	47.3	45.2	41.1	37.0	37.0	39.0	41.1	43.2	43.2
85°	24.6	24.6	22.6	20.5	22.6	24.6	24.6	26.7	26.7
87.5°	8.2	8.2	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)