

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: P582045

Luminaire Tested: **HCC6S25D010MB-HM60525840-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582045
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: HCC6S25D010MB-HM60525840-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

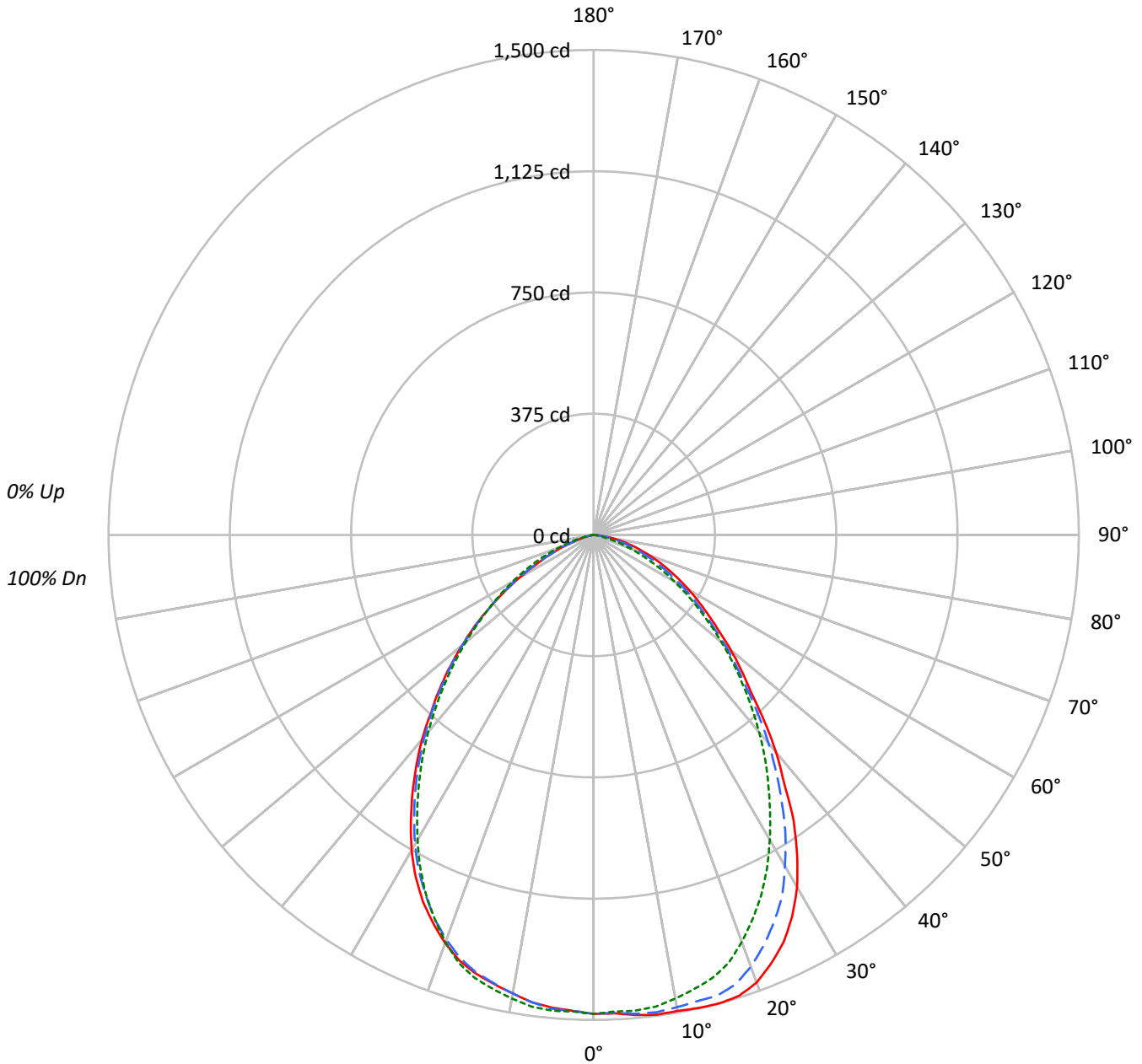
Lumens per Lamp: N/A
Luminaire Lumens: 2902.2 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P582045
CATALOG NUMBER: HCC6S25D010MB-HM60525840-61RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P582045

CATALOG NUMBER: HCC6S25D010MB-HM60525840-61RWWH

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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77			77
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67			67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			59
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	61	55	50	60	54	49	58	53	49	47			47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	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°	81200	81200	81200
5°	82038	81295	80756
10°	83204	81044	80176
15°	85159	80534	79762
20°	85956	78144	78366
25°	84065	74206	75615
30°	79626	68935	71264
35°	72096	63008	65350
40°	62789	56957	59039
45°	53269	50416	52222
50°	47180	44041	45193
55°	41556	37667	37475
60°	37245	31708	29153
65°	33233	25437	20897
70°	29236	18352	13079
75°	24676	11099	7413
80°	18973	4893	3031
85°	10944	1195	1195



TEST NUMBER: P582045
 CATALOG NUMBER: HCC6S25D010MB-HM60525840-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	4.8
10°-20°	404.1	13.9
20°-30°	584.1	20.1
30°-40°	614.6	21.2
40°-50°	516.7	17.8
50°-60°	362.6	12.5
60°-70°	199.5	6.9
70°-80°	70.8	2.4
80°-90°	9.2	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°	1128.8	38.9
0°-40°	1743.4	60.1
0°-60°	2622.6	90.4
0°-90°	2902.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2902.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1481	1481	1481	1481	1481	
5°	1491	1487	1477	1471	1468	142
15°	1500	1475	1419	1402	1405	423
25°	1390	1320	1227	1229	1250	636
35°	1077	1015	942	961	976	668
45°	687	668	650	666	674	539
55°	435	412	394	394	392	391
65°	256	229	196	161	161	255
75°	116	93	52	35	35	125
85°	17	10	2	2	2	24
90°	0	0	0	0	0	

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



TEST NUMBER: P582045

CATALOG NUMBER: HCC6S25D010MB-HM60525840-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2
2.5°	1481.2	1481.2	1479.2	1479.2	1475.3	1475.3	1473.4	1473.4	1473.4
5°	1490.8	1490.8	1486.9	1481.2	1477.3	1471.4	1471.4	1469.5	1467.5
7.5°	1496.6	1494.7	1488.9	1481.2	1471.4	1461.7	1457.9	1459.7	1457.9
10°	1494.7	1490.8	1483.1	1467.5	1455.9	1442.3	1440.3	1438.4	1440.3
12.5°	1498.6	1492.7	1477.3	1457.9	1438.4	1422.9	1420.9	1420.9	1422.9
15°	1500.5	1494.7	1475.3	1446.2	1419.0	1403.5	1401.5	1403.5	1405.4
17.5°	1494.7	1486.9	1457.9	1419.0	1387.9	1372.4	1372.4	1376.3	1380.2
20°	1473.4	1461.7	1420.9	1374.3	1339.5	1327.8	1331.7	1339.5	1343.3
22.5°	1434.6	1420.9	1374.3	1321.9	1285.1	1275.3	1285.1	1294.7	1298.6
25°	1389.8	1374.3	1320.0	1265.7	1226.8	1215.2	1228.8	1244.2	1250.1
27.5°	1329.7	1312.3	1261.8	1199.6	1160.8	1155.0	1170.6	1188.0	1191.9
30°	1257.9	1238.5	1182.2	1123.9	1089.0	1087.1	1104.5	1120.1	1125.8
32.5°	1170.6	1153.0	1104.5	1046.3	1015.2	1015.2	1032.7	1046.3	1052.1
35°	1077.3	1057.9	1015.2	966.7	941.5	943.4	960.9	970.6	976.5
37.5°	966.7	960.9	927.8	887.1	869.6	873.5	887.1	894.9	900.7
40°	877.4	861.9	840.5	807.6	795.9	799.8	813.3	821.1	825.0
42.5°	780.4	770.6	753.2	729.9	722.1	728.0	739.6	745.4	743.5
45°	687.1	685.3	667.7	654.2	650.3	658.1	665.8	671.6	673.6
47.5°	619.2	611.5	595.9	586.3	582.4	590.2	597.9	601.8	601.8
50°	553.2	545.4	529.9	520.2	516.4	524.1	529.9	533.8	529.9
52.5°	487.3	479.5	465.9	454.2	452.3	456.2	458.1	460.1	464.0
55°	434.8	427.0	411.5	398.0	394.1	395.9	394.1	394.1	392.1
57.5°	384.3	376.5	361.1	345.6	339.7	337.8	331.9	330.0	328.0
60°	339.7	330.0	314.5	297.0	289.2	281.4	271.8	265.9	265.9
62.5°	297.0	287.3	269.8	254.2	242.7	229.0	213.5	205.7	205.7
65°	256.2	248.5	229.0	211.6	196.1	178.6	161.1	157.3	161.1
67.5°	217.4	209.6	190.2	172.8	153.4	131.9	116.5	116.5	120.4
70°	182.4	174.7	157.3	135.8	114.5	93.2	81.6	81.6	81.6
72.5°	149.5	141.7	122.3	102.9	81.6	60.1	54.4	56.3	54.4
75°	116.5	110.6	93.2	71.8	52.4	36.8	35.0	33.0	35.0
77.5°	87.3	81.6	66.0	46.6	29.1	21.3	19.4	19.4	19.4
80°	60.1	54.4	42.7	27.2	15.5	9.6	9.6	9.6	9.6
82.5°	36.8	31.1	23.3	13.5	5.8	5.8	5.8	5.8	5.8
85°	17.4	13.5	9.6	3.9	1.9	1.9	1.9	1.9	1.9
87.5°	3.9	3.9	1.9	1.9	0.0	1.9	1.9	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)