

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: P582009

Luminaire Tested: **HCC6W25D010BZ-HM60525830-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582009
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: HCC6W25D010BZ-HM60525830-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

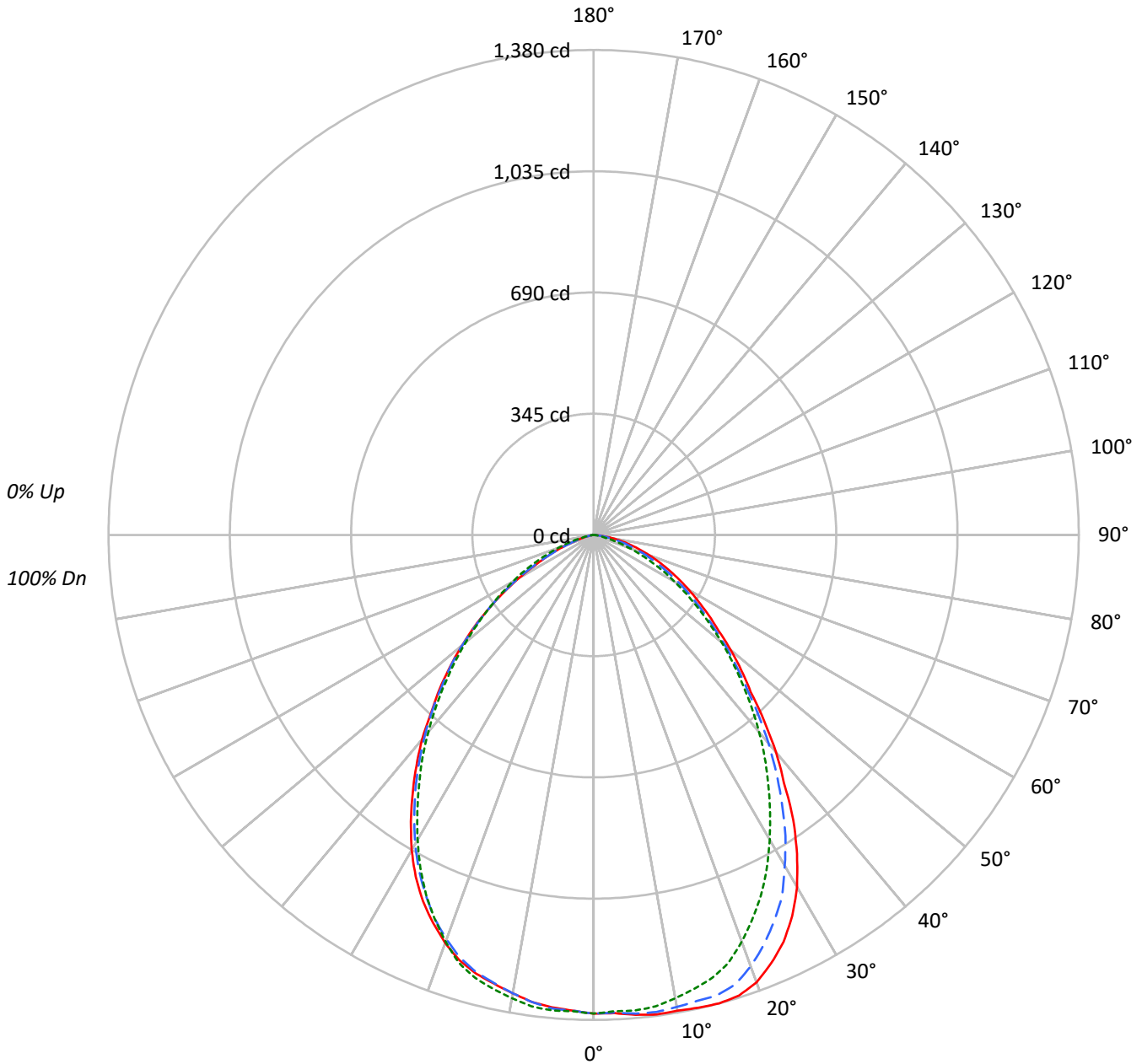
Lumens per Lamp: N/A
Luminaire Lumens: 2668.8 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): 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: P582009
CATALOG NUMBER: HCC6W25D010BZ-HM60525830-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582009

CATALOG NUMBER: HCC6W25D010BZ-HM60525830-61RWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	74665	74665	74665
5°	75440	74752	74262
10°	76513	74525	73729
15°	78309	74058	73343
20°	79043	71855	72060
25°	77309	68242	69536
30°	73226	63390	65542
35°	66301	57935	60090
40°	57737	52377	54295
45°	48990	46354	48020
50°	43385	40493	41559
55°	38211	34637	34465
60°	34252	29164	26818
65°	30561	23388	19211
70°	26896	16894	12005
75°	22685	10209	6799
80°	17490	4514	2810
85°	10064	1132	1132



TEST NUMBER: P582009
 CATALOG NUMBER: HCC6W25D010BZ-HM60525830-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	4.8
10°-20°	371.6	13.9
20°-30°	537.1	20.1
30°-40°	565.2	21.2
40°-50°	475.1	17.8
50°-60°	333.5	12.5
60°-70°	183.4	6.9
70°-80°	65.1	2.4
80°-90°	8.5	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°	1038.0	38.9
0°-40°	1603.1	60.1
0°-60°	2411.7	90.4
0°-90°	2668.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2668.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1362	1362	1362	1362	1362	
5°	1371	1367	1358	1353	1350	131
15°	1380	1357	1305	1289	1292	389
25°	1278	1214	1128	1130	1150	585
35°	991	934	866	884	898	614
45°	632	614	598	612	619	496
55°	400	378	362	362	361	360
65°	236	211	180	148	148	235
75°	107	86	48	32	32	115
85°	16	9	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: P582009

CATALOG NUMBER: HCC6W25D010BZ-HM60525830-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0
2.5°	1362.0	1362.0	1360.3	1360.3	1356.6	1356.6	1354.9	1354.9	1354.9
5°	1370.9	1370.9	1367.4	1362.0	1358.4	1353.1	1353.1	1351.2	1349.5
7.5°	1376.3	1374.5	1369.2	1362.0	1353.1	1344.1	1340.6	1342.3	1340.6
10°	1374.5	1370.9	1363.8	1349.5	1338.8	1326.3	1324.5	1322.7	1324.5
12.5°	1378.0	1372.7	1358.4	1340.6	1322.7	1308.4	1306.6	1306.6	1308.4
15°	1379.8	1374.5	1356.6	1329.8	1304.9	1290.6	1288.8	1290.6	1292.3
17.5°	1374.5	1367.4	1340.6	1304.9	1276.3	1262.0	1262.0	1265.7	1269.2
20°	1354.9	1344.1	1306.6	1263.8	1231.7	1220.9	1224.6	1231.7	1235.2
22.5°	1319.2	1306.6	1263.8	1215.7	1181.7	1172.8	1181.7	1190.6	1194.2
25°	1278.1	1263.8	1213.8	1163.8	1128.2	1117.4	1130.0	1144.2	1149.6
27.5°	1222.8	1206.6	1160.3	1103.1	1067.4	1062.0	1076.3	1092.5	1096.0
30°	1156.8	1138.9	1087.1	1033.6	1001.4	999.6	1015.7	1030.0	1035.4
32.5°	1076.3	1060.3	1015.7	962.2	933.6	933.6	949.6	962.2	967.4
35°	990.7	972.8	933.6	889.0	865.7	867.6	883.6	892.5	897.9
37.5°	889.0	883.6	853.3	815.7	799.7	803.3	815.7	822.8	828.2
40°	806.8	792.5	773.0	742.5	731.9	735.4	747.9	755.1	758.7
42.5°	717.6	708.7	692.7	671.2	664.1	669.4	680.1	685.5	683.6
45°	631.9	630.1	614.1	601.6	597.9	605.1	612.2	617.6	619.4
47.5°	569.5	562.3	548.1	539.0	535.5	542.7	549.8	553.3	553.3
50°	508.7	501.6	487.3	478.4	474.8	481.9	487.3	490.9	487.3
52.5°	448.1	440.9	428.4	417.8	415.9	419.5	421.3	423.0	426.6
55°	399.8	392.7	378.4	365.9	362.4	364.1	362.4	362.4	360.6
57.5°	353.5	346.3	332.0	317.8	312.4	310.6	305.2	303.5	301.7
60°	312.4	303.5	289.2	273.2	266.0	258.9	249.8	244.6	244.6
62.5°	273.2	264.1	248.1	233.8	223.2	210.6	196.3	189.2	189.2
65°	235.6	228.5	210.6	194.6	180.3	164.3	148.1	144.6	148.1
67.5°	200.0	192.8	174.9	158.9	141.0	121.4	107.1	107.1	110.6
70°	167.8	160.6	144.6	124.9	105.4	85.7	74.9	74.9	74.9
72.5°	137.5	130.3	112.5	94.6	74.9	55.4	50.0	51.7	50.0
75°	107.1	101.7	85.7	66.0	48.2	34.0	32.1	30.3	32.1
77.5°	80.3	74.9	60.6	42.9	26.8	19.7	17.8	17.8	17.8
80°	55.4	50.0	39.2	24.9	14.3	8.9	8.9	8.9	8.9
82.5°	34.0	28.6	21.4	12.5	5.4	5.4	5.4	5.4	5.4
85°	16.0	12.5	8.9	3.5	1.8	1.8	1.8	1.8	1.8
87.5°	3.5	3.5	1.8	1.8	0.0	1.8	1.8	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)