

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: **HCC6S25D010MB-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: HCC6S25D010MB-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**

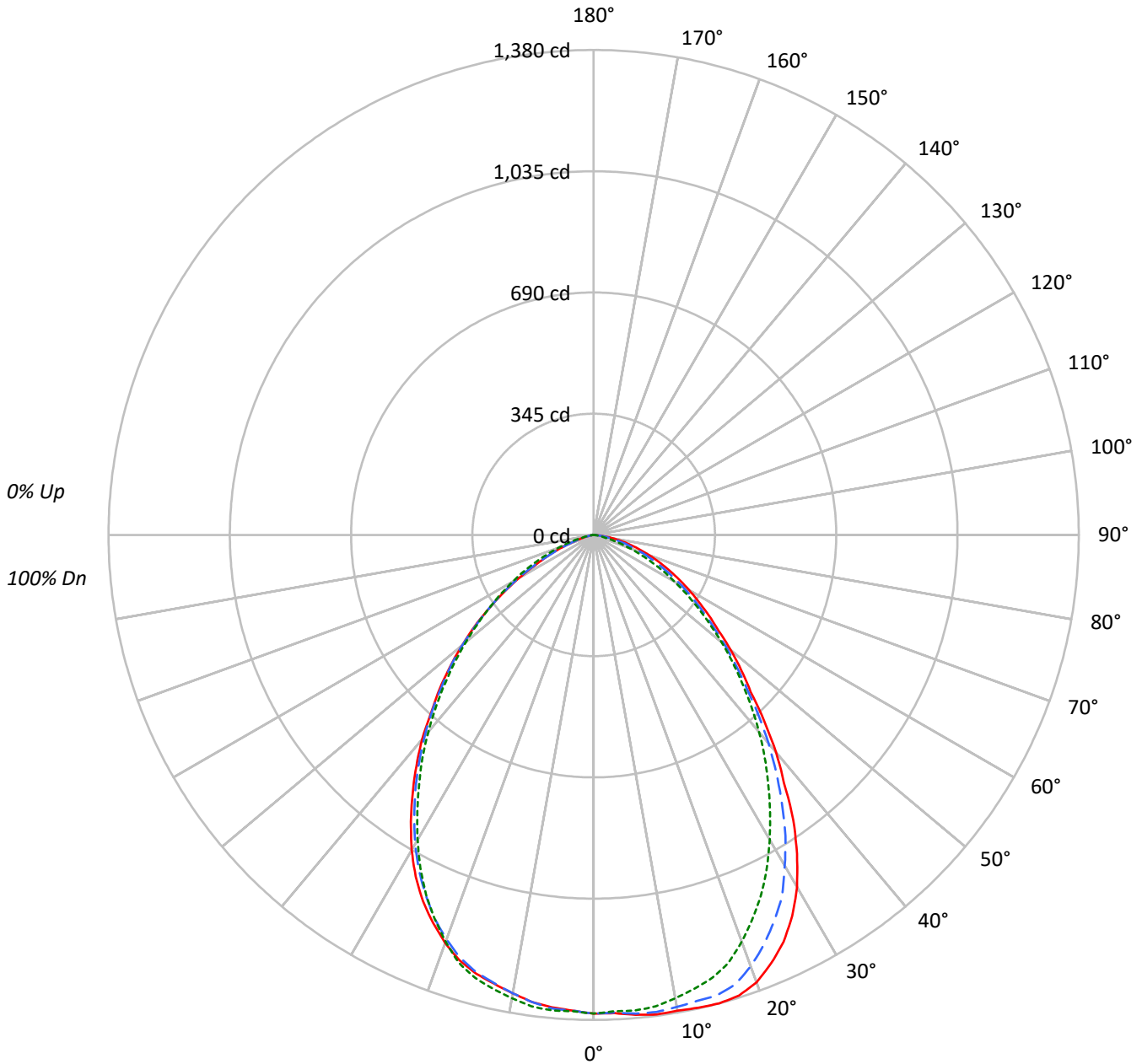
Lumens per Lamp: N/A  
Luminaire Lumens: 2668.8 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



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### Luminous Intensity Polar Plot



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**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	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°	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



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**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	

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**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

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Scaled Data Report



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— 0°-180°    - - 45°-225°    - - - - 90°-270°

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