

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: P582033

Luminaire Tested: **HCC6S25D010MB-HM60525835-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582033  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S25D010MB-HM60525835-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

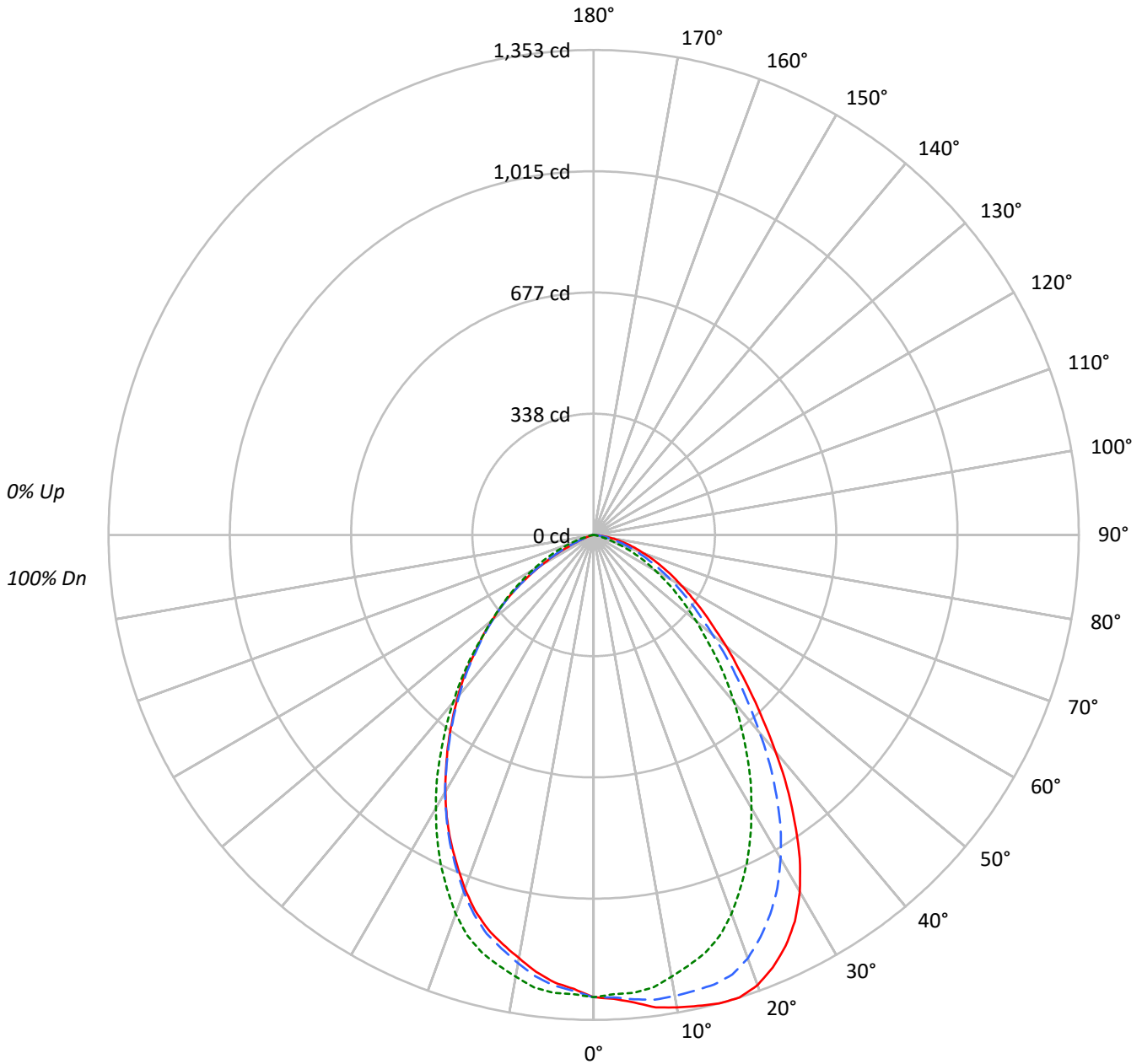
Lumens per Lamp: N/A  
Luminaire Lumens: 2298.1 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P582033  
CATALOG NUMBER: HCC6S25D010MB-HM60525835-61WWBB

### Luminous Intensity Polar Plot





TEST NUMBER: P582033

CATALOG NUMBER: HCC6S25D010MB-HM60525835-61WWBB

**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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	70696	70696	70696
5°	72061	70564	68974
10°	74514	69666	66738
15°	76794	68451	64648
20°	77981	65607	61261
25°	76577	61110	57046
30°	72790	55686	52356
35°	65424	49771	47221
40°	56463	43617	42186
45°	47811	37547	36562
50°	40997	31709	31410
55°	35535	26694	25653
60°	31017	21676	18299
65°	27292	16707	10105
70°	23562	11044	4937
75°	19995	5380	1906
80°	15469	2305	1137
85°	9120	1132	1132



TEST NUMBER: P582033  
 CATALOG NUMBER: HCC6S25D010MB-HM60525835-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.7	5.3
10°-20°	344.1	15.0
20°-30°	484.6	21.1
30°-40°	495.2	21.5
40°-50°	399.2	17.4
50°-60°	267.8	11.7
60°-70°	135.5	5.9
70°-80°	43.3	1.9
80°-90°	6.7	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°	950.5	41.4
0°-40°	1445.6	62.9
0°-60°	2112.6	91.9
0°-90°	2298.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2298.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1290	1290	1290	1290	1290	
5°	1310	1300	1282	1262	1253	126
15°	1353	1299	1206	1152	1139	382
25°	1266	1166	1010	949	943	580
35°	978	889	744	702	706	608
45°	617	568	484	468	472	480
55°	372	330	279	267	268	335
65°	210	174	129	85	78	210
75°	94	67	25	9	9	101
85°	14	7	2	2	2	19
90°	0	0	0	0	0	



TEST NUMBER: P582033

CATALOG NUMBER: HCC6S25D010MB-HM60525835-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1289.6	1289.6	1289.6	1289.6	1289.6	1289.6	1289.6	1289.6	1289.6
2.5°	1295.1	1293.2	1291.5	1287.8	1282.3	1276.9	1273.3	1269.7	1267.8
5°	1309.5	1305.9	1300.5	1293.2	1282.3	1269.7	1262.4	1255.1	1253.4
7.5°	1329.6	1322.3	1307.8	1291.5	1273.3	1255.1	1242.5	1235.2	1229.7
10°	1338.6	1325.9	1305.9	1278.7	1251.5	1229.7	1213.4	1202.5	1198.9
12.5°	1345.8	1331.3	1302.2	1266.0	1229.7	1200.7	1182.6	1173.6	1169.9
15°	1353.1	1338.6	1298.6	1251.5	1206.1	1171.7	1151.8	1142.7	1139.1
17.5°	1353.1	1333.1	1286.0	1226.1	1171.7	1130.0	1110.0	1101.0	1099.1
20°	1336.7	1315.0	1257.0	1186.2	1124.6	1077.3	1059.3	1053.8	1050.1
22.5°	1305.9	1280.6	1215.3	1135.5	1068.3	1022.9	1003.0	999.4	995.8
25°	1266.0	1240.6	1166.3	1081.0	1010.3	964.9	948.6	945.0	943.1
27.5°	1215.3	1188.0	1110.0	1022.9	946.8	903.3	888.8	888.8	887.0
30°	1149.9	1119.1	1042.9	955.9	879.7	839.8	828.9	828.9	827.1
32.5°	1070.2	1039.2	970.3	887.0	814.3	772.7	763.6	767.2	765.5
35°	977.6	952.3	888.8	807.2	743.7	705.6	701.9	705.6	705.6
37.5°	885.1	861.6	807.2	736.4	676.5	642.0	642.0	647.6	645.7
40°	789.0	770.8	720.1	658.5	609.5	585.9	582.3	587.7	589.5
42.5°	698.3	683.8	640.3	589.5	545.9	522.4	527.8	531.4	533.3
45°	616.7	602.2	567.7	515.1	484.3	468.0	468.0	473.4	471.6
47.5°	544.2	533.3	498.8	447.9	420.8	413.5	417.1	420.8	420.8
50°	480.7	464.4	431.7	391.8	371.8	362.7	366.4	368.3	368.3
52.5°	420.8	409.9	377.3	340.9	322.9	317.4	317.4	319.3	319.3
55°	371.8	359.1	330.2	293.8	279.3	272.0	266.6	264.8	268.4
57.5°	324.7	313.8	286.6	252.1	235.8	228.5	217.6	214.0	217.6
60°	282.9	273.9	246.7	214.0	197.7	183.2	170.5	163.3	166.9
62.5°	246.7	235.8	208.6	181.4	163.3	147.0	126.9	116.0	121.5
65°	210.4	201.4	174.2	147.0	128.8	108.9	85.2	77.9	77.9
67.5°	177.8	168.7	143.3	119.7	98.0	74.3	52.6	50.7	52.6
70°	147.0	137.8	116.0	92.5	68.9	45.4	30.8	30.8	30.8
72.5°	121.5	110.6	90.7	67.2	43.5	23.6	16.3	18.2	18.2
75°	94.4	85.2	67.2	45.4	25.4	10.9	9.0	9.0	9.0
77.5°	70.8	63.5	47.1	29.1	12.7	3.6	3.6	3.6	3.6
80°	49.0	41.7	30.8	18.2	7.3	3.6	3.6	3.6	3.6
82.5°	29.1	25.4	18.2	9.0	3.6	1.8	1.8	1.8	1.8
85°	14.5	12.7	7.3	3.6	1.8	1.8	1.8	1.8	1.8
87.5°	3.6	3.6	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)