

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: P582026

Luminaire Tested: **HCC6S25D010MW-HM60525835-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S25D010MW-HM60525835-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

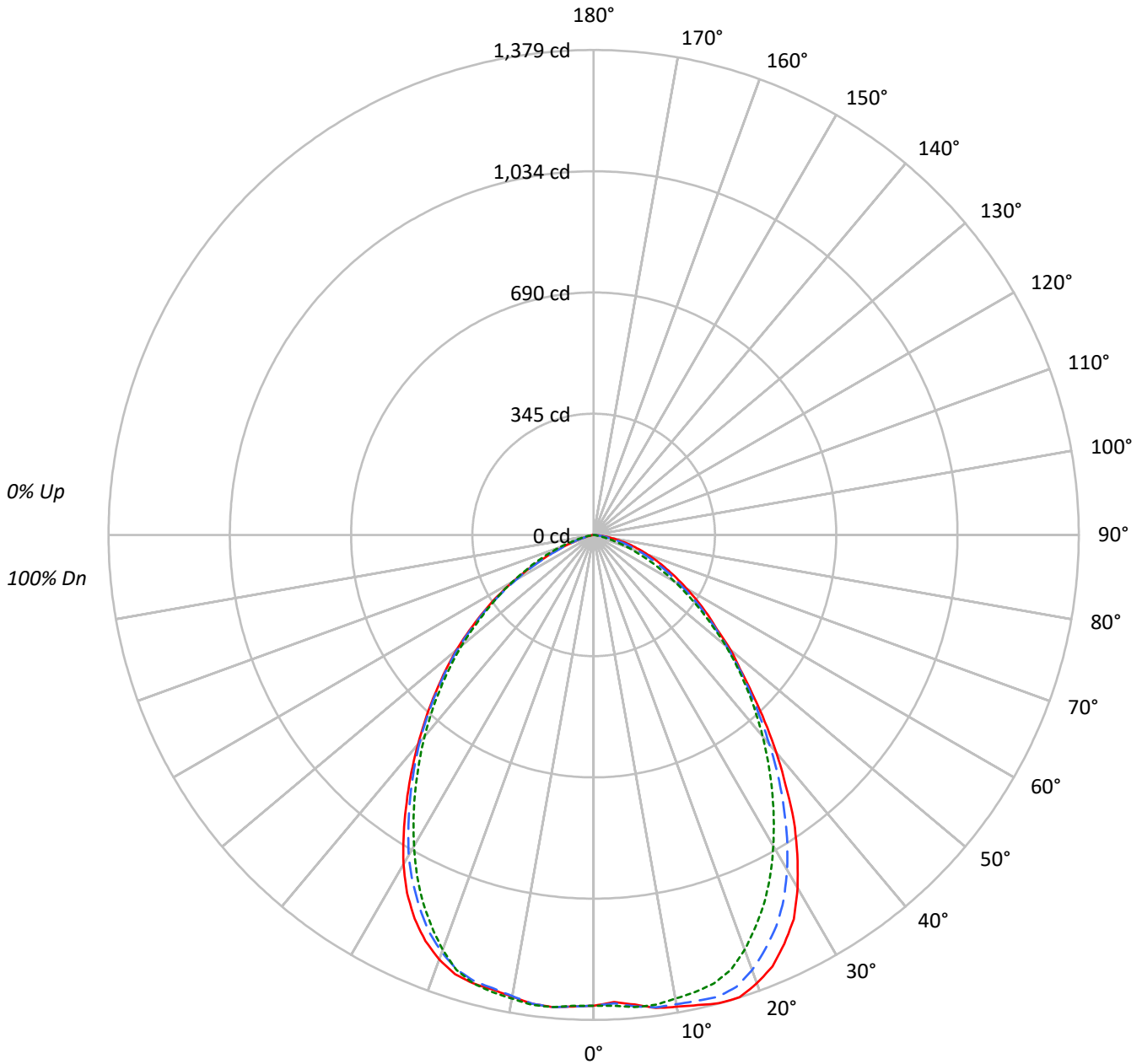
Lumens per Lamp: N/A  
Luminaire Lumens: 2702.6 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582026  
CATALOG NUMBER: HCC6S25D010MW-HM60525835-61RWWC

### Luminous Intensity Polar Plot





TEST NUMBER: P582026

CATALOG NUMBER: HCC6S25D010MW-HM60525835-61RWWC

**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	94	92	90	88					88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77					77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68					68			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60					60			
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	62	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	73388	73388	73388
5°	73767	74163	74163
10°	75834	74520	74214
15°	78241	74944	74944
20°	79148	73232	74918
25°	77569	69560	72851
30°	73366	64643	68435
35°	66408	59120	62024
40°	57765	53479	55561
45°	49354	47679	49354
50°	43308	41773	43470
55°	37791	35201	36587
60°	33407	29230	28835
65°	29640	23063	19769
70°	26174	16285	11925
75°	22303	9214	5761
80°	16606	2841	1705
85°	9120	1132	1132



TEST NUMBER: P582026  
 CATALOG NUMBER: HCC6S25D010MW-HM60525835-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.4	4.8
10°-20°	375.7	13.9
20°-30°	548.7	20.3
30°-40°	575.5	21.3
40°-50°	484.8	17.9
50°-60°	339.7	12.6
60°-70°	182.1	6.7
70°-80°	61.1	2.3
80°-90°	6.6	0.2
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°	1052.8	39.0
0°-40°	1628.3	60.2
0°-60°	2452.8	90.8
0°-90°	2702.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2702.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1339	1339	1339	1339	1339	
5°	1340	1346	1348	1348	1348	129
15°	1379	1360	1320	1313	1320	389
25°	1282	1228	1150	1170	1204	587
35°	992	941	883	909	927	616
45°	637	626	615	631	637	496
55°	395	383	368	376	383	356
65°	228	209	178	147	152	228
75°	105	82	44	27	27	112
85°	14	7	2	2	2	20
90°	0	0	0	0	0	

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



TEST NUMBER: P582026

CATALOG NUMBER: HCC6S25D010MW-HM60525835-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
2.5°	1329.6	1329.6	1333.2	1336.8	1340.5	1340.5	1342.3	1344.1	1342.3
5°	1340.5	1340.5	1346.0	1347.7	1347.7	1346.0	1347.7	1347.7	1347.7
7.5°	1356.7	1353.1	1355.0	1351.4	1347.7	1346.0	1344.1	1344.1	1344.1
10°	1362.3	1358.6	1355.0	1347.7	1338.7	1333.2	1331.4	1333.2	1333.2
12.5°	1369.5	1365.9	1356.7	1342.3	1331.4	1322.3	1320.5	1324.2	1324.2
15°	1378.6	1374.9	1360.4	1336.8	1320.5	1311.4	1313.3	1316.9	1320.5
17.5°	1378.6	1371.3	1347.7	1316.9	1297.0	1287.8	1295.1	1304.2	1309.6
20°	1356.7	1349.5	1316.9	1278.8	1255.3	1249.7	1262.5	1278.8	1284.2
22.5°	1327.8	1313.3	1275.2	1229.8	1204.4	1204.4	1222.6	1242.5	1249.7
25°	1282.4	1271.5	1228.1	1175.4	1150.0	1148.2	1169.9	1197.1	1204.4
27.5°	1231.7	1217.2	1169.9	1115.5	1088.4	1090.1	1113.8	1141.0	1148.2
30°	1159.0	1141.0	1099.3	1046.6	1021.2	1028.5	1052.0	1072.1	1081.1
32.5°	1077.5	1061.2	1023.1	974.1	952.3	959.5	979.5	997.6	1004.9
35°	992.3	974.1	941.4	897.9	883.4	890.6	908.8	923.3	926.8
37.5°	896.0	883.4	859.8	825.4	814.4	823.5	838.0	847.2	850.7
40°	807.2	796.3	776.4	750.9	747.3	754.6	769.1	774.5	776.4
42.5°	720.1	711.1	698.3	680.3	680.3	687.5	700.2	703.8	705.6
45°	636.6	631.3	625.7	611.3	615.0	624.0	631.3	636.6	636.6
47.5°	564.1	566.0	558.7	547.8	551.4	560.5	566.0	571.4	571.4
50°	507.8	502.5	495.2	484.3	489.8	497.1	504.2	507.8	509.7
52.5°	442.6	440.8	435.3	422.6	426.3	429.9	437.2	442.6	444.4
55°	395.4	389.9	382.8	368.3	368.3	371.9	375.5	379.2	382.8
57.5°	350.1	344.7	333.8	317.4	315.6	315.6	313.8	317.4	322.9
60°	304.7	303.0	286.6	272.0	266.6	261.3	254.0	255.7	263.0
62.5°	264.9	261.3	246.7	228.5	217.6	208.6	199.5	197.7	205.0
65°	228.5	224.9	208.6	190.5	177.8	161.4	147.0	147.0	152.4
67.5°	195.8	188.7	174.2	154.1	137.8	117.9	103.4	107.0	108.9
70°	163.3	157.8	141.5	121.5	101.6	81.6	72.5	74.4	74.4
72.5°	134.2	126.9	110.6	90.7	70.8	52.6	49.0	47.1	47.1
75°	105.3	98.0	81.6	61.6	43.5	30.8	27.2	27.2	27.2
77.5°	76.2	70.8	56.3	38.1	23.6	14.5	12.7	10.9	10.9
80°	52.6	47.1	34.5	19.9	9.0	5.4	5.4	5.4	5.4
82.5°	30.8	25.4	16.3	9.0	3.6	1.8	1.8	1.8	1.8
85°	14.5	10.9	7.3	3.6	1.8	1.8	1.8	1.8	1.8
87.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	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)