

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: P582044

Luminaire Tested: **HCC6W25D010MW-HM60525840-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582044  
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: HCC6W25D010MW-HM60525840-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

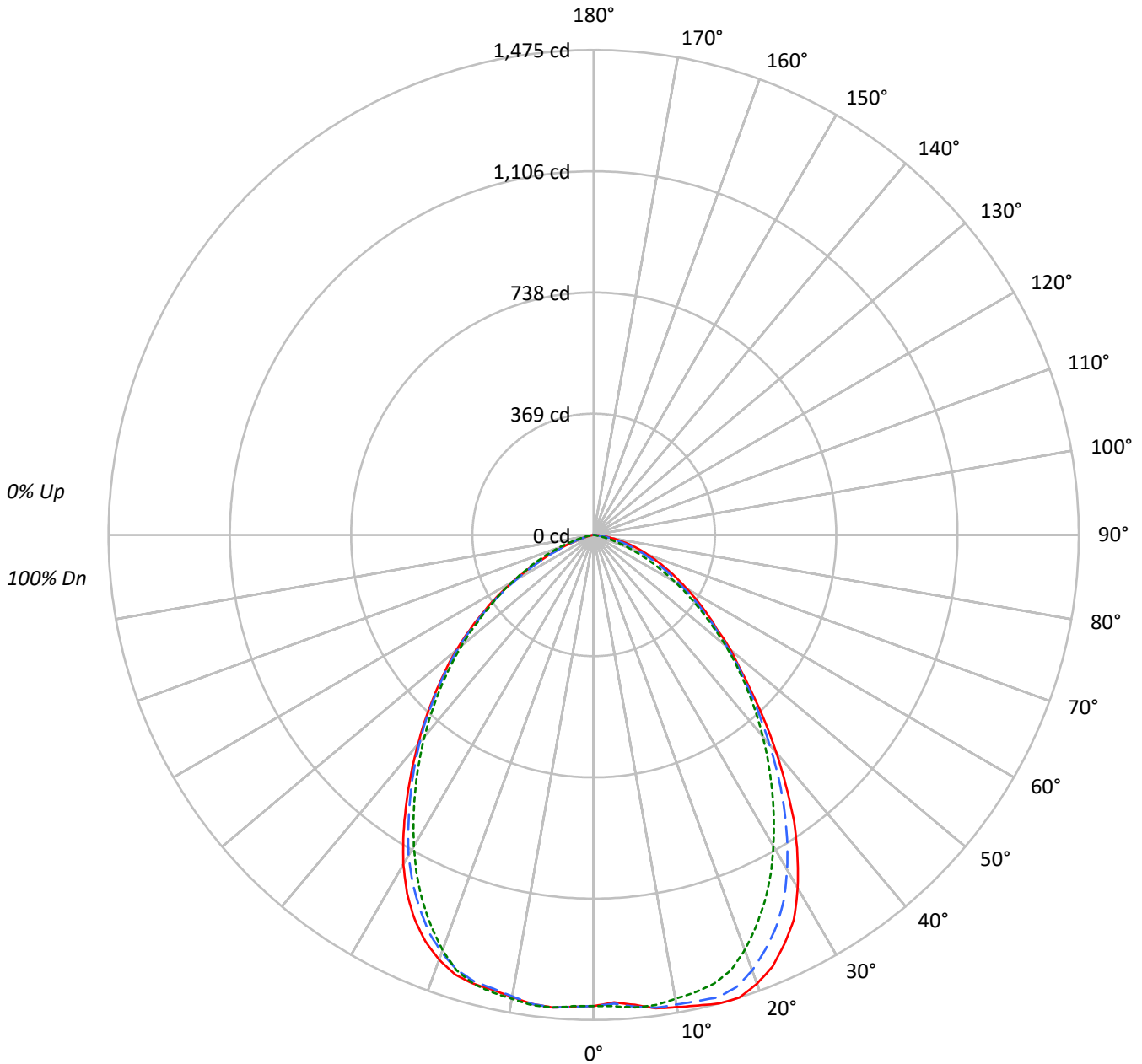
Lumens per Lamp: N/A  
Luminaire Lumens: 2892.5 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582044  
CATALOG NUMBER: HCC6W25D010MW-HM60525840-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582044

CATALOG NUMBER: HCC6W25D010MW-HM60525840-61RWWC

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88																			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68																			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60																			
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	62	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	78541	78541	78541
5°	78951	79380	79380
10°	81161	79752	79430
15°	83735	80210	80210
20°	84713	78378	80186
25°	83019	74448	77974
30°	78531	69188	73239
35°	71066	63269	66388
40°	61823	57236	59461
45°	52827	51021	52827
50°	46361	44698	46532
55°	40457	37667	39148
60°	35765	31291	30864
65°	31728	24672	21144
70°	28002	17439	12759
75°	23850	9870	6164
80°	17774	3031	1831
85°	9749	1195	1195



TEST NUMBER: P582044

CATALOG NUMBER: HCC6W25D010MW-HM60525840-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.4	4.8
10°-20°	402.1	13.9
20°-30°	587.3	20.3
30°-40°	615.9	21.3
40°-50°	518.9	17.9
50°-60°	363.5	12.6
60°-70°	194.9	6.7
70°-80°	65.4	2.3
80°-90°	7.1	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°	1126.8	39.0
0°-40°	1742.7	60.2
0°-60°	2625.1	90.8
0°-90°	2892.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2892.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1433	1433	1433	1433	1433	
5°	1435	1440	1442	1442	1442	138
15°	1475	1456	1413	1406	1413	416
25°	1372	1314	1231	1252	1289	629
35°	1062	1008	945	973	992	659
45°	681	670	658	676	681	531
55°	423	410	394	402	410	381
65°	245	223	190	157	163	244
75°	113	87	47	29	29	119
85°	16	8	2	2	2	21
90°	0	0	0	0	0	

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



TEST NUMBER: P582044

CATALOG NUMBER: HCC6W25D010MW-HM60525840-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1432.7	1432.7	1432.7	1432.7	1432.7	1432.7	1432.7	1432.7	1432.7
2.5°	1423.0	1423.0	1426.9	1430.8	1434.7	1434.7	1436.6	1438.6	1436.6
5°	1434.7	1434.7	1440.4	1442.5	1442.5	1440.4	1442.5	1442.5	1442.5
7.5°	1452.1	1448.2	1450.2	1446.3	1442.5	1440.4	1438.6	1438.6	1438.6
10°	1458.0	1454.1	1450.2	1442.5	1432.7	1426.9	1424.9	1426.9	1426.9
12.5°	1465.8	1461.9	1452.1	1436.6	1424.9	1415.3	1413.3	1417.1	1417.1
15°	1475.4	1471.5	1456.0	1430.8	1413.3	1403.6	1405.5	1409.4	1413.3
17.5°	1475.4	1467.6	1442.5	1409.4	1388.1	1378.4	1386.2	1395.8	1401.7
20°	1452.1	1444.3	1409.4	1368.7	1343.5	1337.6	1351.2	1368.7	1374.5
22.5°	1421.0	1405.5	1364.8	1316.3	1289.1	1289.1	1308.5	1329.8	1337.6
25°	1372.5	1360.9	1314.3	1258.0	1230.8	1228.9	1252.1	1281.3	1289.1
27.5°	1318.2	1302.6	1252.1	1194.0	1164.8	1166.8	1192.0	1221.2	1228.9
30°	1240.6	1221.2	1176.4	1120.2	1093.0	1100.8	1125.9	1147.4	1157.0
32.5°	1153.1	1135.7	1094.9	1042.5	1019.2	1027.0	1048.4	1067.8	1075.6
35°	1061.9	1042.5	1007.5	960.9	945.4	953.2	972.6	988.1	992.0
37.5°	959.0	945.4	920.2	883.4	871.7	881.4	896.9	906.7	910.6
40°	863.9	852.3	830.9	803.7	799.8	807.6	823.1	829.0	830.9
42.5°	770.7	761.1	747.4	728.0	728.0	735.8	749.4	753.3	755.2
45°	681.4	675.6	669.7	654.2	658.1	667.8	675.6	681.4	681.4
47.5°	603.8	605.7	597.9	586.3	590.2	599.9	605.7	611.6	611.6
50°	543.6	537.8	530.0	518.4	524.1	531.9	539.7	543.6	545.6
52.5°	473.6	471.8	466.0	452.3	456.2	460.1	467.9	473.6	475.6
55°	423.3	417.4	409.6	394.1	394.1	398.0	401.8	405.7	409.6
57.5°	374.6	368.9	357.2	339.7	337.8	337.8	335.8	339.7	345.6
60°	326.2	324.2	306.7	291.2	285.4	279.5	271.8	273.8	281.5
62.5°	283.4	279.5	264.0	244.6	232.9	223.3	213.5	211.6	219.4
65°	244.6	240.7	223.3	203.9	190.2	172.8	157.3	157.3	163.0
67.5°	209.6	201.9	186.3	165.0	147.6	126.2	110.6	114.5	116.5
70°	174.7	168.9	151.5	130.1	108.8	87.3	77.7	79.6	79.6
72.5°	143.7	136.0	118.4	97.1	75.7	56.3	52.4	50.5	50.5
75°	112.6	104.9	87.3	66.0	46.6	33.0	29.1	29.1	29.1
77.5°	81.6	75.7	60.1	40.7	25.2	15.5	13.5	11.7	11.7
80°	56.3	50.5	36.8	21.3	9.6	5.8	5.8	5.8	5.8
82.5°	33.0	27.2	17.4	9.6	3.9	1.9	1.9	1.9	1.9
85°	15.5	11.7	7.8	3.9	1.9	1.9	1.9	1.9	1.9
87.5°	1.9	1.9	1.9	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)