

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: P582107

Luminaire Tested: **HCC6W25D010MW-HM60525935-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W25D010MW-HM60525935-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

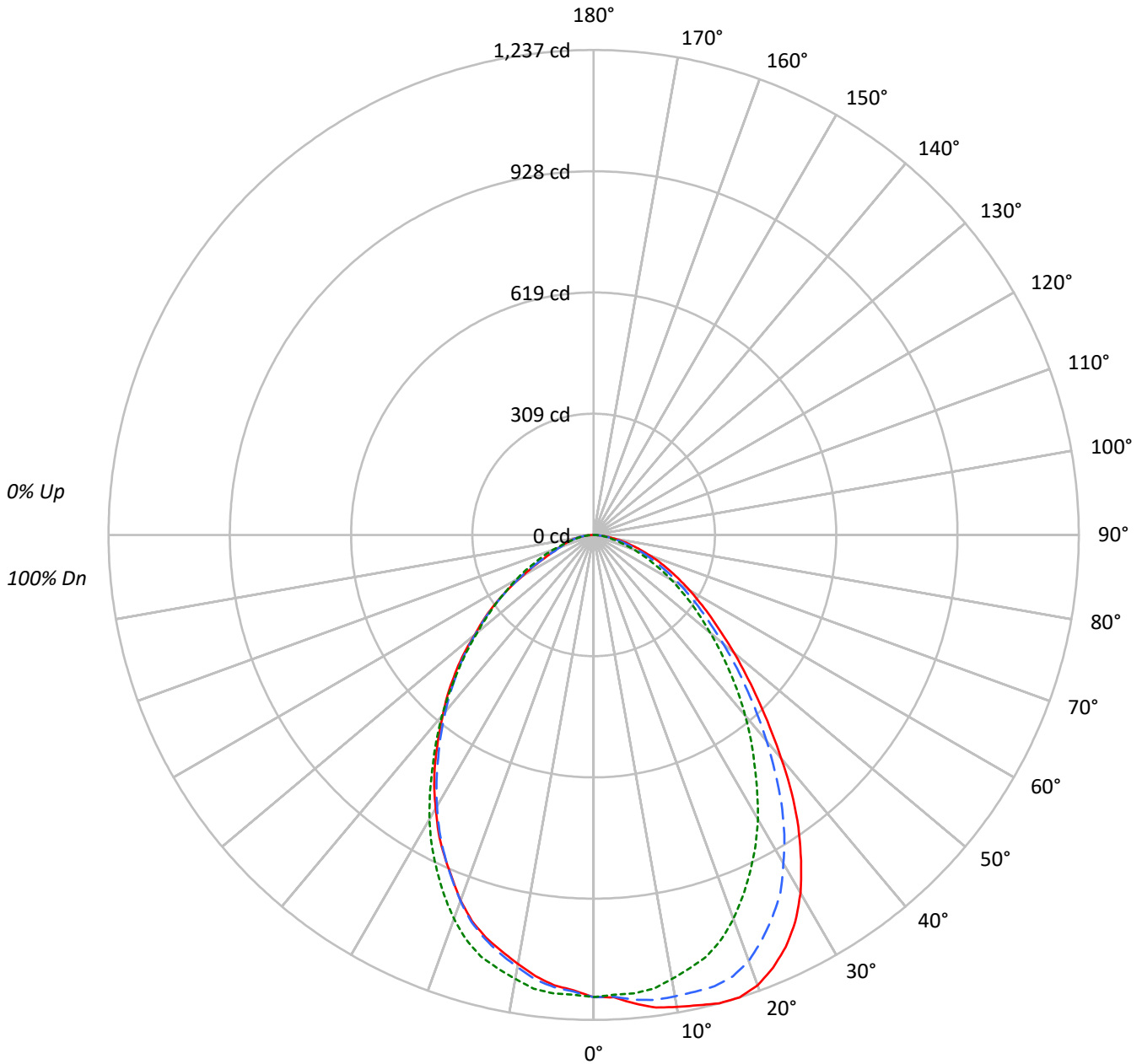
Lumens per Lamp: N/A  
Luminaire Lumens: 2308.5 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582107  
CATALOG NUMBER: HCC6W25D010MW-HM60525935-61WWWB

### Luminous Intensity Polar Plot





TEST NUMBER: P582107

CATALOG NUMBER: HCC6W25D010MW-HM60525935-61WWWB

**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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

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

	0°	90°	180°
0°	64622	64622	64622
5°	66019	64599	63449
10°	68040	64010	61856
15°	70193	63156	60324
20°	71307	60783	57872
25°	70135	57179	54548
30°	66770	53008	50970
35°	60893	47850	47094
40°	53243	42988	42752
45°	45819	37826	38702
50°	39828	32971	33653
55°	34790	28931	29246
60°	30897	25075	22959
65°	27578	21092	17551
70°	24267	17295	14714
75°	20800	13640	13979
80°	16763	11712	13733
85°	11133	10190	12140



TEST NUMBER: P582107

CATALOG NUMBER: HCC6W25D010MW-HM60525935-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.6	4.8
10°-20°	317.7	13.8
20°-30°	453.6	19.6
30°-40°	475.1	20.6
40°-50°	400.0	17.3
50°-60°	284.7	12.3
60°-70°	166.6	7.2
70°-80°	78.9	3.4
80°-90°	20.3	0.9
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°	882.9	38.2
0°-40°	1358.0	58.8
0°-60°	2042.7	88.5
0°-90°	2308.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2308.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1179	1179	1179	1179	1179	
5°	1200	1190	1174	1158	1153	115
15°	1237	1192	1113	1068	1063	349
25°	1160	1077	945	900	902	531
35°	910	834	715	691	704	565
45°	591	548	488	490	499	459
55°	364	333	303	303	306	328
65°	213	188	163	137	135	212
75°	98	82	64	63	66	105
85°	18	14	16	19	19	23
90°	0	0	0	0	0	



TEST NUMBER: P582107

CATALOG NUMBER: HCC6W25D010MW-HM60525935-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8
2.5°	1180.5	1180.5	1178.8	1177.2	1173.9	1169.2	1165.9	1162.7	1162.7
5°	1199.7	1196.5	1190.1	1182.1	1173.9	1164.3	1157.9	1153.0	1153.0
7.5°	1215.9	1209.4	1196.5	1182.1	1167.5	1154.6	1143.4	1137.0	1135.3
10°	1222.3	1214.3	1194.9	1172.3	1149.9	1132.1	1119.2	1111.2	1111.2
12.5°	1228.7	1219.0	1193.4	1161.2	1132.1	1107.9	1095.1	1088.6	1087.0
15°	1236.8	1223.9	1191.7	1151.4	1112.8	1085.3	1067.7	1062.9	1062.9
17.5°	1236.8	1220.7	1180.5	1130.5	1082.2	1051.6	1035.5	1030.6	1032.2
20°	1222.3	1204.6	1156.3	1095.1	1041.9	1009.7	993.6	990.4	992.0
22.5°	1194.9	1173.9	1119.2	1053.1	995.3	961.4	946.9	946.9	945.3
25°	1159.5	1137.0	1077.3	1008.2	945.3	911.4	900.2	901.8	901.8
27.5°	1112.8	1090.2	1030.6	956.5	893.8	859.9	851.9	855.2	856.7
30°	1054.8	1030.6	967.8	895.4	837.4	803.5	798.8	803.5	805.2
32.5°	984.0	966.2	905.0	831.0	776.2	747.2	745.7	750.4	756.9
35°	909.9	890.5	834.2	766.6	715.0	690.9	690.9	698.9	703.7
37.5°	829.4	810.1	758.4	702.2	658.7	636.1	639.3	647.4	648.9
40°	744.0	729.5	686.0	637.8	600.7	583.0	587.8	595.8	597.4
42.5°	663.5	650.6	615.2	571.7	544.3	531.4	537.9	547.6	550.7
45°	591.0	576.5	547.6	510.5	487.9	481.5	489.5	496.1	499.2
47.5°	525.0	512.1	487.9	454.1	438.0	434.8	442.8	446.1	449.3
50°	467.0	454.1	430.0	399.3	386.6	386.6	392.9	396.2	394.6
52.5°	410.6	399.3	376.8	351.1	343.1	343.1	347.8	349.5	352.7
55°	364.0	352.7	333.3	309.2	302.7	299.6	302.7	302.7	306.0
57.5°	320.5	310.9	293.1	270.5	262.5	259.2	257.6	256.1	259.2
60°	281.8	273.8	254.5	235.1	228.7	220.7	214.1	207.7	209.4
62.5°	246.3	238.3	220.7	201.4	194.8	183.6	175.5	167.5	170.7
65°	212.6	204.5	188.5	172.3	162.6	149.7	136.8	132.1	135.3
67.5°	181.9	175.5	159.4	143.3	135.3	120.8	107.9	107.9	109.5
70°	151.4	145.0	132.1	117.5	107.9	95.0	90.2	91.8	91.8
72.5°	124.0	119.2	106.3	93.3	83.7	75.7	75.7	77.3	78.9
75°	98.2	95.0	82.1	70.9	64.4	59.6	62.8	64.4	66.0
77.5°	75.7	70.9	61.1	53.1	48.4	49.9	53.1	54.8	56.4
80°	53.1	51.5	43.5	38.6	37.1	38.6	41.9	43.5	43.5
82.5°	33.8	32.2	27.3	25.8	25.8	27.3	30.6	30.6	30.6
85°	17.7	16.2	14.5	14.5	16.2	17.7	19.3	19.3	19.3
87.5°	6.4	4.9	6.4	6.4	8.0	8.0	8.0	8.0	8.0
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)