

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: P581567

Luminaire Tested: **HCC6W10D010SL-HM60525827-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581567  
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: HCC6W10D010SL-HM60525827-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

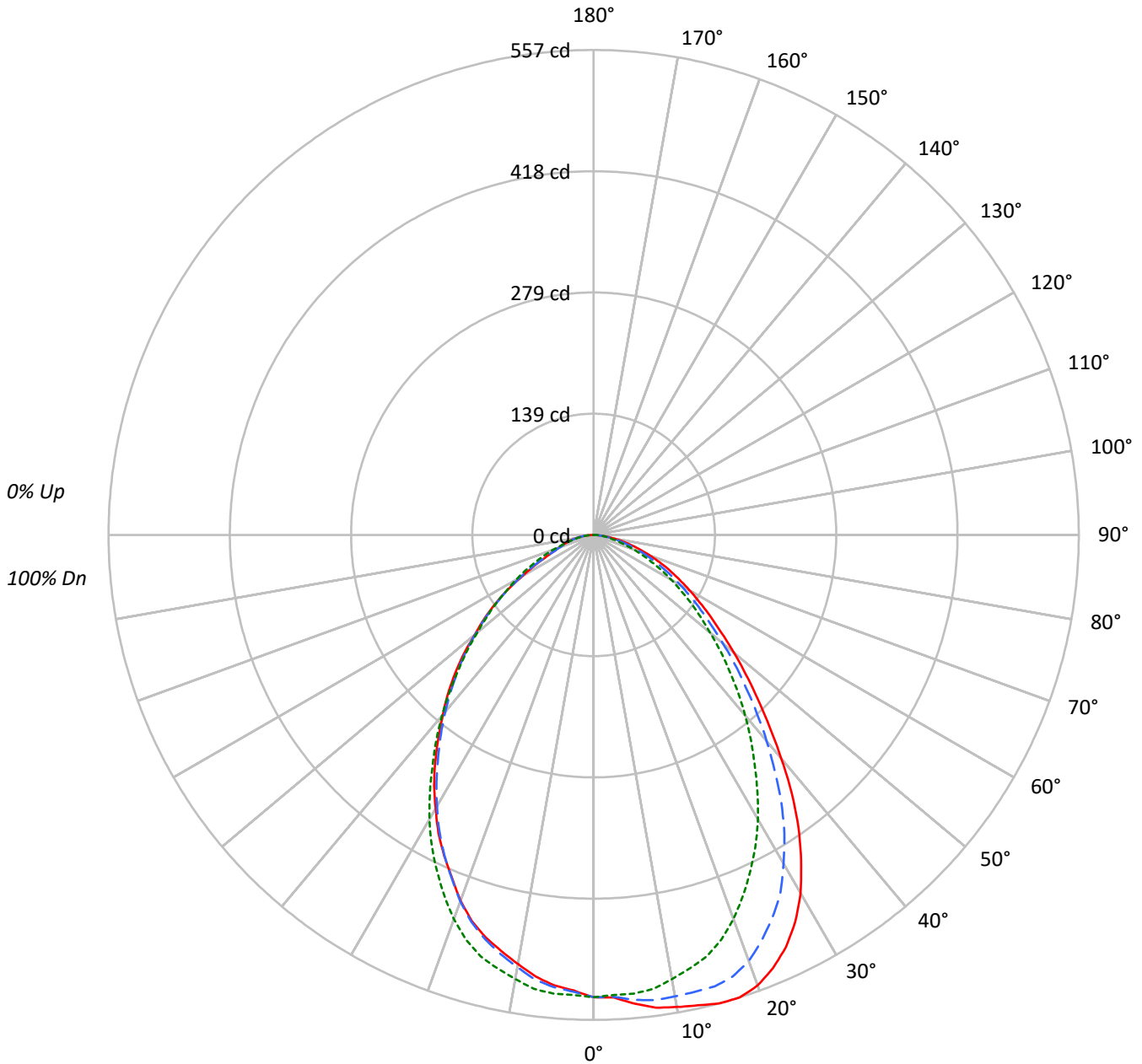
Lumens per Lamp: N/A  
Luminaire Lumens: 1039.8 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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: P581567  
CATALOG NUMBER: HCC6W10D010SL-HM60525827-61WWWB

### Luminous Intensity Polar Plot





TEST NUMBER: P581567

CATALOG NUMBER: HCC6W10D010SL-HM60525827-61WWWB

**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	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

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

	0°	90°	180°
0°	29110	29110	29110
5°	29738	29100	28582
10°	30650	28829	27861
15°	31618	28445	27168
20°	32121	27378	26066
25°	31593	25749	24570
30°	30074	23877	22959
35°	27425	21556	21215
40°	23981	19358	19258
45°	20638	17041	17428
50°	17935	14848	15155
55°	15665	13037	13180
60°	13913	11293	10339
65°	12427	9495	7900
70°	10915	7790	6620
75°	9383	6142	6312
80°	7545	5241	6188
85°	4969	4529	5472



TEST NUMBER: P581567  
 CATALOG NUMBER: HCC6W10D010SL-HM60525827-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.3	4.8
10°-20°	143.1	13.8
20°-30°	204.3	19.6
30°-40°	214.0	20.6
40°-50°	180.2	17.3
50°-60°	128.2	12.3
60°-70°	75.0	7.2
70°-80°	35.5	3.4
80°-90°	9.1	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°	397.7	38.2
0°-40°	611.7	58.8
0°-60°	920.1	88.5
0°-90°	1039.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1039.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	531	531	531	531	531	
5°	540	536	529	522	519	52
15°	557	537	501	481	479	157
25°	522	485	426	406	406	239
35°	410	376	322	311	317	255
45°	266	247	220	220	225	207
55°	164	150	136	136	138	148
65°	96	85	73	62	61	95
75°	44	37	29	28	30	47
85°	8	7	7	9	9	10
90°	0	0	0	0	0	

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



TEST NUMBER: P581567

CATALOG NUMBER: HCC6W10D010SL-HM60525827-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	531.0	531.0	531.0	531.0	531.0	531.0	531.0	531.0	531.0
2.5°	531.7	531.7	531.0	530.2	528.8	526.6	525.1	523.8	523.8
5°	540.4	538.9	536.0	532.4	528.8	524.5	521.5	519.4	519.4
7.5°	547.7	544.7	538.9	532.4	525.9	520.0	515.1	512.1	511.4
10°	550.6	547.0	538.3	528.1	517.9	510.0	504.2	500.5	500.5
12.5°	553.4	549.1	537.5	523.0	510.0	499.1	493.2	490.4	489.6
15°	557.1	551.3	536.8	518.7	501.2	488.9	480.9	478.7	478.7
17.5°	557.1	549.8	531.7	509.2	487.4	473.6	466.4	464.2	464.9
20°	550.6	542.6	520.8	493.2	469.3	454.8	447.6	446.1	446.8
22.5°	538.3	528.8	504.2	474.4	448.3	433.1	426.5	426.5	425.7
25°	522.3	512.1	485.3	454.0	425.7	410.6	405.5	406.2	406.2
27.5°	501.2	491.1	464.2	430.8	402.5	387.4	383.7	385.2	385.9
30°	475.1	464.2	435.9	403.3	377.2	362.0	359.7	362.0	362.7
32.5°	443.2	435.3	407.6	374.2	349.7	336.5	335.9	338.0	341.0
35°	409.8	401.2	375.7	345.3	322.1	311.2	311.2	314.8	317.0
37.5°	373.6	364.8	341.6	316.3	296.7	286.5	288.0	291.6	292.3
40°	335.1	328.6	309.0	287.3	270.5	262.6	264.8	268.4	269.1
42.5°	298.8	293.1	277.1	257.5	245.2	239.4	242.2	246.7	248.1
45°	266.2	259.7	246.7	229.9	219.8	216.9	220.5	223.5	224.8
47.5°	236.5	230.7	219.8	204.6	197.3	195.8	199.5	200.9	202.4
50°	210.3	204.6	193.7	179.9	174.1	174.1	177.0	178.4	177.7
52.5°	185.0	179.9	169.7	158.1	154.5	154.5	156.7	157.5	158.8
55°	163.9	158.8	150.1	139.2	136.4	134.9	136.4	136.4	137.9
57.5°	144.3	140.0	132.0	121.9	118.2	116.8	116.0	115.4	116.8
60°	126.9	123.3	114.6	106.0	103.0	99.4	96.4	93.6	94.3
62.5°	110.9	107.3	99.4	90.7	87.7	82.7	79.0	75.4	76.9
65°	95.8	92.1	84.9	77.7	73.2	67.5	61.7	59.4	60.9
67.5°	82.0	79.0	71.8	64.5	60.9	54.4	48.6	48.6	49.4
70°	68.1	65.3	59.4	53.0	48.6	42.8	40.6	41.3	41.3
72.5°	55.8	53.7	47.9	42.1	37.7	34.1	34.1	34.9	35.5
75°	44.3	42.8	37.0	31.9	29.0	26.8	28.3	29.0	29.8
77.5°	34.1	31.9	27.6	23.9	21.7	22.5	23.9	24.7	25.4
80°	23.9	23.2	19.6	17.4	16.6	17.4	18.9	19.6	19.6
82.5°	15.3	14.5	12.3	11.7	11.7	12.3	13.8	13.8	13.8
85°	7.9	7.2	6.6	6.6	7.2	7.9	8.7	8.7	8.7
87.5°	2.9	2.2	2.9	2.9	3.6	3.6	3.6	3.6	3.6
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)