

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: P581702

Luminaire Tested: **HCC6W15D010SL-HM60525827-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581702  
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: HCC6W15D010SL-HM60525827-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

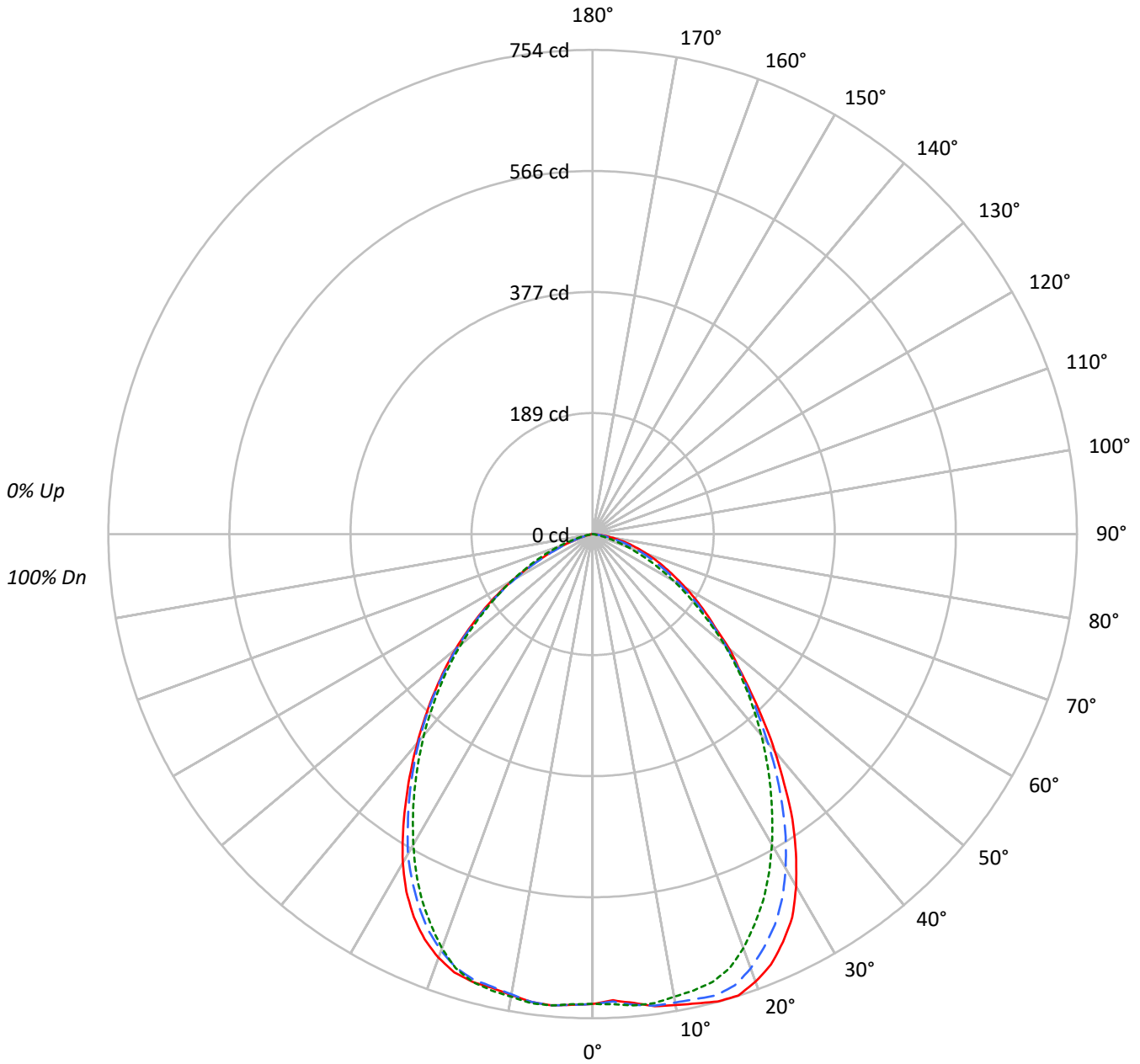
Lumens per Lamp: N/A  
Luminaire Lumens: 1477.3 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (Ain): 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: P581702  
CATALOG NUMBER: HCC6W15D010SL-HM60525827-61RWWC

### Luminous Intensity Polar Plot





TEST NUMBER: P581702

CATALOG NUMBER: HCC6W15D010SL-HM60525827-61RWWC

**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	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°	40112	40112	40112
5°	40326	40540	40540
10°	41454	40731	40569
15°	42764	40971	40971
20°	43264	40026	40954
25°	42402	38022	39825
30°	40107	35335	37411
35°	36292	32310	33910
40°	31573	29233	30371
45°	26980	26057	26980
50°	23675	22831	23760
55°	20654	19230	19995
60°	18266	15975	15766
65°	16214	12608	10805
70°	14297	8896	6508
75°	12179	5041	3156
80°	9060	1578	947
85°	4969	629	629



TEST NUMBER: P581702

CATALOG NUMBER: HCC6W15D010SL-HM60525827-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.2	4.8
10°-20°	205.4	13.9
20°-30°	299.9	20.3
30°-40°	314.6	21.3
40°-50°	265.0	17.9
50°-60°	185.7	12.6
60°-70°	99.6	6.7
70°-80°	33.4	2.3
80°-90°	3.6	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°	575.5	39.0
0°-40°	890.1	60.2
0°-60°	1340.7	90.8
0°-90°	1477.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1477.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	732	732	732	732	732	
5°	733	736	737	737	737	70
15°	754	744	722	718	722	213
25°	701	671	629	640	658	321
35°	542	515	483	497	507	337
45°	348	342	336	345	348	271
55°	216	209	201	205	209	195
65°	125	114	97	80	83	125
75°	58	45	24	15	15	61
85°	8	4	1	1	1	11
90°	0	0	0	0	0	



TEST NUMBER: P581702

CATALOG NUMBER: HCC6W15D010SL-HM60525827-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7
2.5°	726.7	726.7	728.8	730.7	732.8	732.8	733.7	734.7	733.7
5°	732.8	732.8	735.7	736.7	736.7	735.7	736.7	736.7	736.7
7.5°	741.6	739.7	740.7	738.7	736.7	735.7	734.7	734.7	734.7
10°	744.7	742.6	740.7	736.7	731.7	728.8	727.8	728.8	728.8
12.5°	748.6	746.6	741.6	733.7	727.8	722.8	721.9	723.8	723.8
15°	753.5	751.6	743.7	730.7	721.9	716.9	717.9	719.8	721.9
17.5°	753.5	749.6	736.7	719.8	708.9	703.9	707.9	712.9	715.8
20°	741.6	737.6	719.8	699.0	686.1	683.2	690.1	699.0	702.0
22.5°	725.8	717.9	697.0	672.3	658.4	658.4	668.3	679.2	683.2
25°	701.0	695.1	671.2	642.5	628.6	627.7	639.6	654.4	658.4
27.5°	673.3	665.3	639.6	609.8	594.9	595.9	608.8	623.7	627.7
30°	633.6	623.7	600.9	572.2	558.2	562.2	575.1	586.0	591.0
32.5°	589.0	580.0	559.2	532.4	520.5	524.5	535.4	545.4	549.3
35°	542.3	532.4	514.6	490.8	482.8	486.8	496.8	504.7	506.7
37.5°	489.8	482.8	470.0	451.2	445.1	450.1	458.1	463.1	465.0
40°	441.2	435.3	424.4	410.5	408.5	412.5	420.4	423.4	424.4
42.5°	393.6	388.6	381.7	371.8	371.8	375.8	382.7	384.7	385.7
45°	348.0	345.0	342.1	334.1	336.1	341.1	345.0	348.0	348.0
47.5°	308.4	309.4	305.4	299.4	301.5	306.3	309.4	312.4	312.4
50°	277.6	274.7	270.7	264.7	267.7	271.7	275.7	277.6	278.6
52.5°	242.0	241.0	238.0	231.0	233.0	234.9	238.9	242.0	242.9
55°	216.1	213.2	209.2	201.2	201.2	203.3	205.2	207.3	209.2
57.5°	191.4	188.4	182.4	173.5	172.5	172.5	171.5	173.5	176.5
60°	166.6	165.6	156.6	148.7	145.7	142.8	138.8	139.8	143.8
62.5°	144.7	142.8	134.8	125.0	118.9	114.1	109.1	108.1	112.0
65°	125.0	122.9	114.1	104.1	97.2	88.2	80.4	80.4	83.3
67.5°	107.0	103.2	95.2	84.3	75.4	64.5	56.5	58.5	59.5
70°	89.2	86.3	77.3	66.4	55.5	44.6	39.6	40.6	40.6
72.5°	73.3	69.5	60.5	49.6	38.7	28.7	26.8	25.8	25.8
75°	57.5	53.6	44.6	33.7	23.8	16.9	14.9	14.9	14.9
77.5°	41.7	38.7	30.8	20.8	12.9	7.9	6.9	5.9	5.9
80°	28.7	25.8	18.8	10.9	5.0	3.0	3.0	3.0	3.0
82.5°	16.9	13.8	9.0	5.0	1.9	1.0	1.0	1.0	1.0
85°	7.9	5.9	4.0	1.9	1.0	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	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)