

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: P583313

Luminaire Tested: **HCC6W07D010SL-HM60525830-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583313  
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: HCC6W07D010SL-HM60525830-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

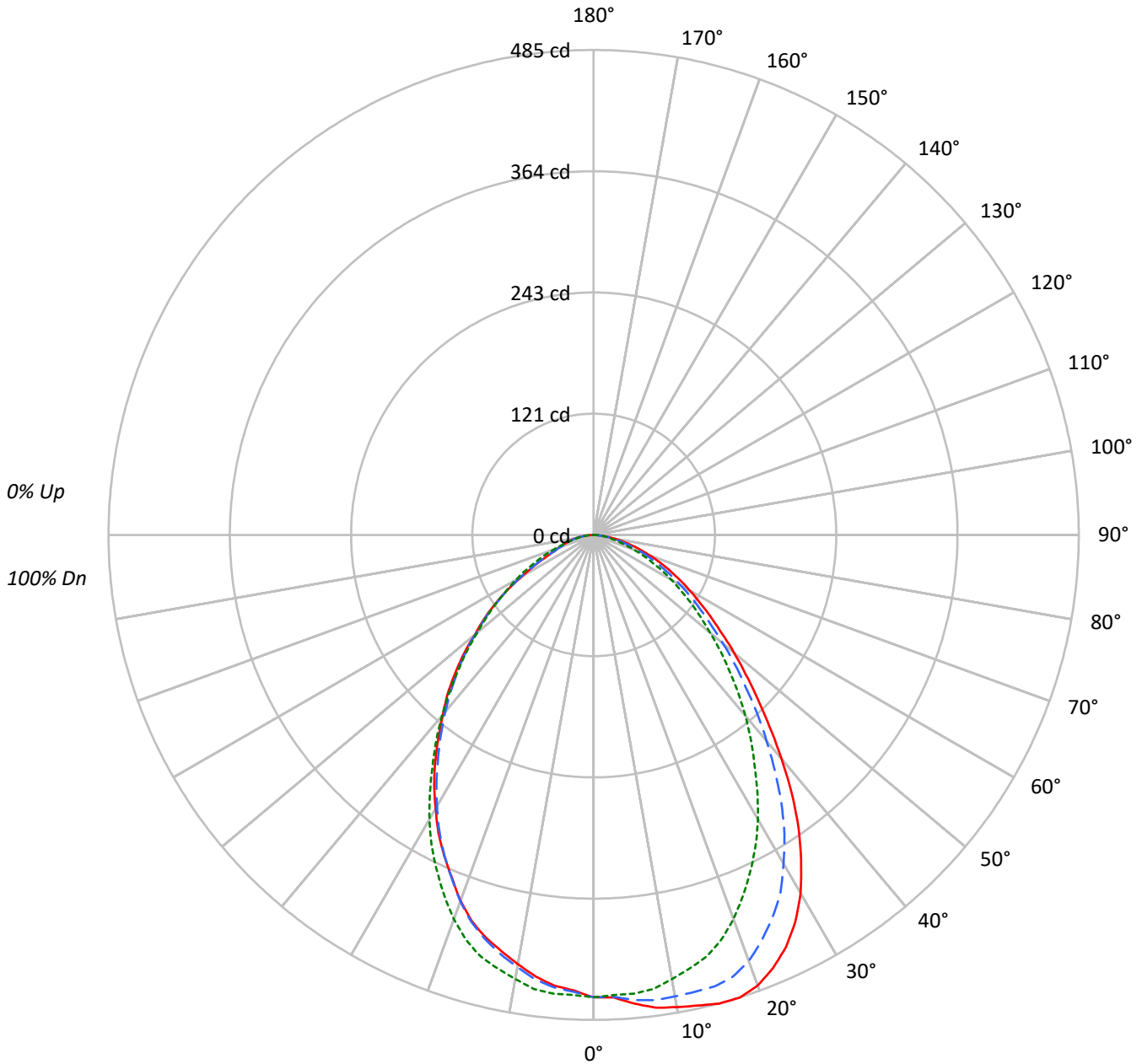
Lumens per Lamp: N/A  
Luminaire Lumens: 905.5 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
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: P583313  
CATALOG NUMBER: HCC6W07D010SL-HM60525830-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P583313

CATALOG NUMBER: HCC6W07D010SL-HM60525830-61WWWB

**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°	25349	25349	25349
5°	25897	25341	24890
10°	26692	25105	24265
15°	27537	24773	23661
20°	27973	23843	22699
25°	27510	22429	21394
30°	26194	20794	19997
35°	23885	18765	18471
40°	20889	16867	16767
45°	17971	14839	15180
50°	15624	12929	13202
55°	13648	11345	11469
60°	12126	9835	9001
65°	10818	8276	6875
70°	9521	6796	5770
75°	8155	5359	5486
80°	6566	4578	5398
85°	4340	3963	4780



TEST NUMBER: P583313  
 CATALOG NUMBER: HCC6W07D010SL-HM60525830-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.8	4.8
10°-20°	124.6	13.8
20°-30°	177.9	19.6
30°-40°	186.4	20.6
40°-50°	156.9	17.3
50°-60°	111.7	12.3
60°-70°	65.4	7.2
70°-80°	30.9	3.4
80°-90°	8.0	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°	346.3	38.2
0°-40°	532.7	58.8
0°-60°	801.3	88.5
0°-90°	905.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	905.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	462	462	462	462	462	
5°	471	467	460	454	452	45
15°	485	468	436	419	417	137
25°	455	423	371	353	354	208
35°	357	327	280	271	276	222
45°	232	215	191	192	196	180
55°	143	131	119	119	120	129
65°	83	74	64	54	53	83
75°	38	32	25	25	26	41
85°	7	6	6	8	8	9
90°	0	0	0	0	0	



TEST NUMBER: P583313

CATALOG NUMBER: HCC6W07D010SL-HM60525830-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	462.4	462.4	462.4	462.4	462.4	462.4	462.4	462.4	462.4
2.5°	463.1	463.1	462.4	461.8	460.5	458.6	457.3	456.0	456.0
5°	470.6	469.3	466.8	463.6	460.5	456.7	454.2	452.3	452.3
7.5°	476.9	474.4	469.3	463.6	458.0	452.9	448.4	445.9	445.4
10°	479.5	476.3	468.7	459.9	451.0	444.0	439.0	435.9	435.9
12.5°	482.0	478.1	468.0	455.5	444.0	434.6	429.5	427.0	426.3
15°	485.2	480.1	467.5	451.6	436.5	425.8	418.8	416.9	416.9
17.5°	485.2	478.8	463.1	443.5	424.5	412.5	406.2	404.3	404.9
20°	479.5	472.5	453.5	429.5	408.7	396.1	389.8	388.5	389.1
22.5°	468.7	460.5	439.0	413.1	390.4	377.1	371.4	371.4	370.8
25°	454.8	445.9	422.6	395.4	370.8	357.6	353.2	353.7	353.7
27.5°	436.5	427.6	404.3	375.2	350.6	337.3	334.1	335.4	336.0
30°	413.8	404.3	379.7	351.2	328.5	315.2	313.3	315.2	315.9
32.5°	385.9	379.0	355.0	326.0	304.4	293.1	292.4	294.4	296.8
35°	356.9	349.3	327.2	300.7	280.4	271.0	271.0	274.2	276.0
37.5°	325.3	317.7	297.5	275.4	258.3	249.5	250.7	253.9	254.6
40°	291.9	286.2	269.1	250.2	235.7	228.6	230.6	233.7	234.3
42.5°	260.3	255.2	241.3	224.2	213.5	208.5	211.0	214.8	216.1
45°	231.8	226.1	214.8	200.2	191.4	188.9	192.0	194.5	195.8
47.5°	206.0	200.9	191.4	178.1	171.8	170.5	173.7	174.9	176.2
50°	183.2	178.1	168.7	156.7	151.6	151.6	154.1	155.4	154.8
52.5°	161.1	156.7	147.9	137.7	134.6	134.6	136.4	137.1	138.3
55°	142.8	138.3	130.7	121.2	118.7	117.5	118.7	118.7	120.0
57.5°	125.6	121.9	115.0	106.2	103.0	101.7	101.1	100.4	101.7
60°	110.6	107.4	99.8	92.2	89.7	86.6	84.1	81.5	82.1
62.5°	96.6	93.5	86.6	79.0	76.5	72.1	68.9	65.7	67.0
65°	83.4	80.2	73.9	67.6	63.8	58.7	53.7	51.8	53.0
67.5°	71.4	68.9	62.5	56.2	53.0	47.4	42.4	42.4	42.9
70°	59.4	56.9	51.8	46.1	42.4	37.3	35.3	36.0	36.0
72.5°	48.6	46.8	41.7	36.6	32.9	29.7	29.7	30.4	30.9
75°	38.5	37.3	32.2	27.8	25.3	23.3	24.6	25.3	25.9
77.5°	29.7	27.8	24.0	20.8	18.9	19.6	20.8	21.5	22.1
80°	20.8	20.2	17.1	15.2	14.5	15.2	16.4	17.1	17.1
82.5°	13.3	12.7	10.8	10.1	10.1	10.8	12.0	12.0	12.0
85°	6.9	6.3	5.7	5.7	6.3	6.9	7.6	7.6	7.6
87.5°	2.5	1.9	2.5	2.5	3.2	3.2	3.2	3.2	3.2
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)