

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: P583372

Luminaire Tested: **HCC6W07D010SL-HM60525930-61NDC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W07D010SL-HM60525930-61NDC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

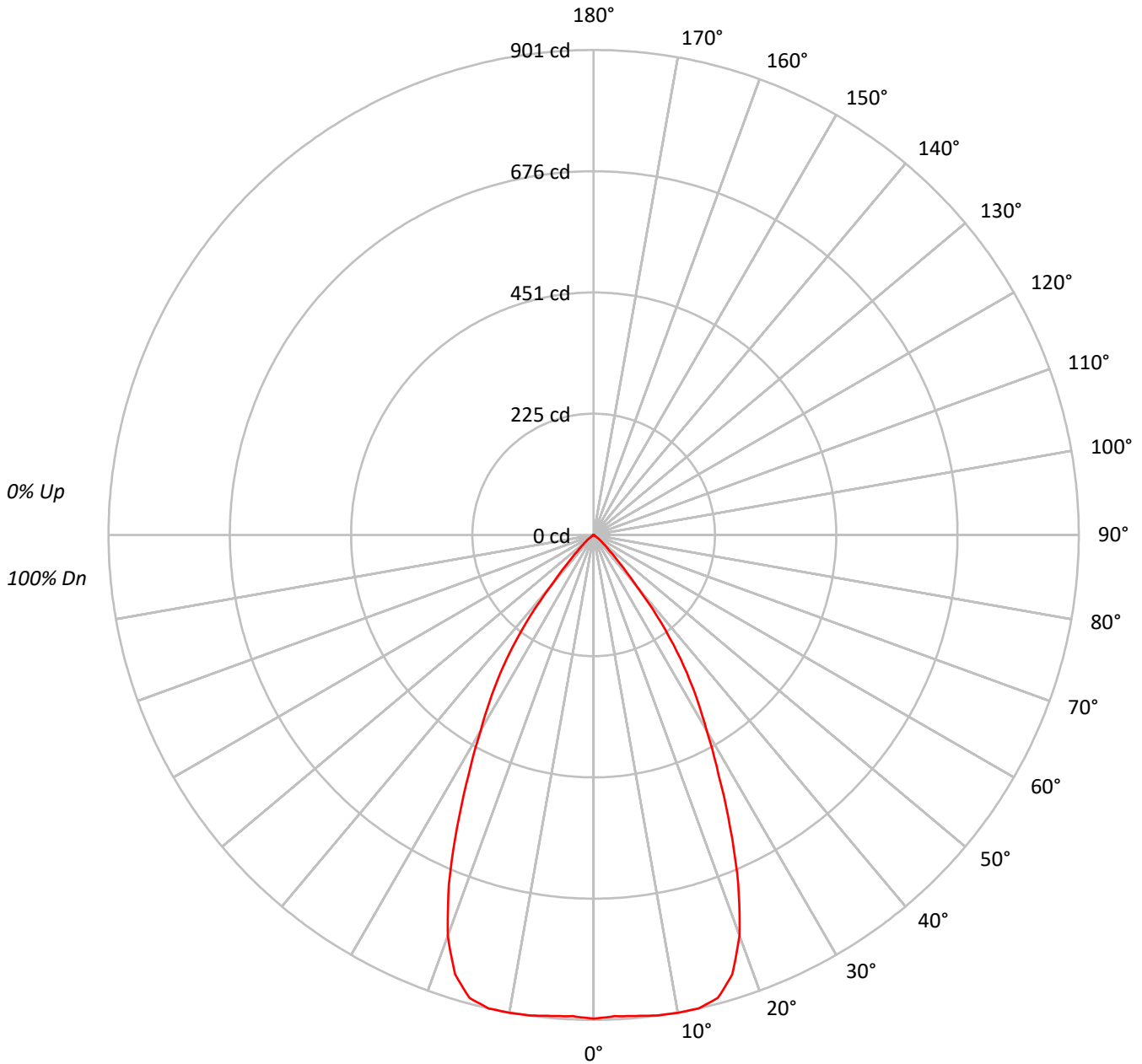
Lumens per Lamp: N/A  
Luminaire Lumens: 825.1 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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



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### Luminous Intensity Polar Plot





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**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				
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94				
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87				
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82				
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76				
5	93	85	79	75	91	84	78	75	82	77	74	80	76	73	79	75	73	71				
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67				
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62				
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	59				
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	59	56	55				
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52				

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

	0°
0°	49267
5°	49367
10°	50177
15°	50551
20°	46204
25°	36311
30°	26580
35°	18852
40°	8917
45°	3396
50°	1527
55°	411
60°	175
65°	143
70°	96
75°	127
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.8	10.4
10°-20°	246.2	29.8
20°-30°	273.8	33.2
30°-40°	171.1	20.7
40°-50°	40.6	4.9
50°-60°	5.8	0.7
60°-70°	1.2	0.1
70°-80°	0.6	0.1
80°-90°	0.0	0.0
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°	605.8	73.4
0°-40°	776.9	94.2
0°-60°	823.3	99.8
0°-90°	825.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	825.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	899	
5°	897	86
15°	891	246
25°	600	274
35°	282	171
45°	44	41
55°	4	6
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	898.7
2.5°	895.0
5°	897.1
7.5°	900.4
10°	901.4
12.5°	901.0
15°	890.7
17.5°	856.0
20°	792.0
22.5°	702.1
25°	600.3
27.5°	502.7
30°	419.9
32.5°	351.0
35°	281.7
37.5°	207.0
40°	124.6
42.5°	72.1
45°	43.8
47.5°	28.2
50°	17.9
52.5°	10.3
55°	4.3
57.5°	2.2
60°	1.6
62.5°	1.6
65°	1.1
67.5°	1.1
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)