

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: P583364

Luminaire Tested: **HCC6W07D010MW-HM60525927-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W07D010MW-HM60525927-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

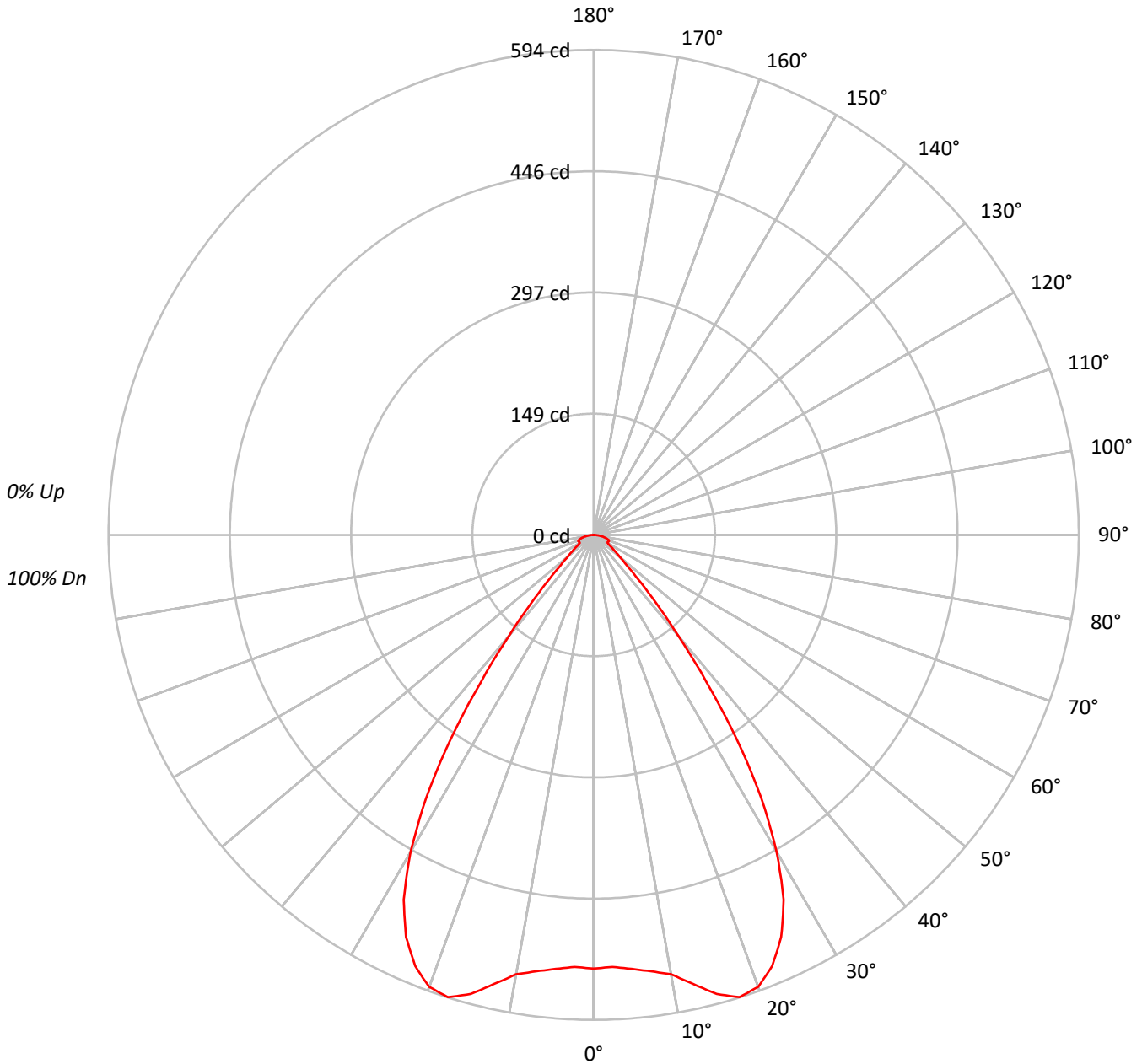
Lumens per Lamp: N/A
Luminaire Lumens: 780.5 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29110
5°	29358
10°	30416
15°	33037
20°	34361
25°	32869
30°	28365
35°	20425
40°	11507
45°	5962
50°	3556
55°	2571
60°	2171
65°	2516
70°	3174
75°	3368
80°	3283
85°	3145



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	6.6
10°-20°	164.2	21.0
20°-30°	245.4	31.4
30°-40°	187.6	24.0
40°-50°	65.5	8.4
50°-60°	25.0	3.2
60°-70°	19.6	2.5
70°-80°	16.6	2.1
80°-90°	5.4	0.7
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°	460.9	59.1
0°-40°	648.5	83.1
0°-60°	739.0	94.7
0°-90°	780.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	531	
5°	534	51
15°	582	164
25°	543	245
35°	305	188
45°	77	65
55°	27	25
65°	19	20
75°	16	17
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	531.0
2.5°	529.6
5°	533.5
7.5°	539.0
10°	546.4
12.5°	563.3
15°	582.1
17.5°	593.6
20°	589.0
22.5°	571.3
25°	543.4
27.5°	503.7
30°	448.1
32.5°	381.6
35°	305.2
37.5°	226.3
40°	160.8
42.5°	112.6
45°	76.9
47.5°	54.0
50°	41.7
52.5°	32.7
55°	26.9
57.5°	21.9
60°	19.8
62.5°	19.4
65°	19.4
67.5°	20.4
70°	19.8
72.5°	18.4
75°	15.9
77.5°	13.4
80°	10.4
82.5°	7.5
85°	5.0
87.5°	2.0
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)