

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: P581564

Luminaire Tested: **HCC6W10D010MB-HM60525827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581564
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: HCC6W10D010MB-HM60525827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

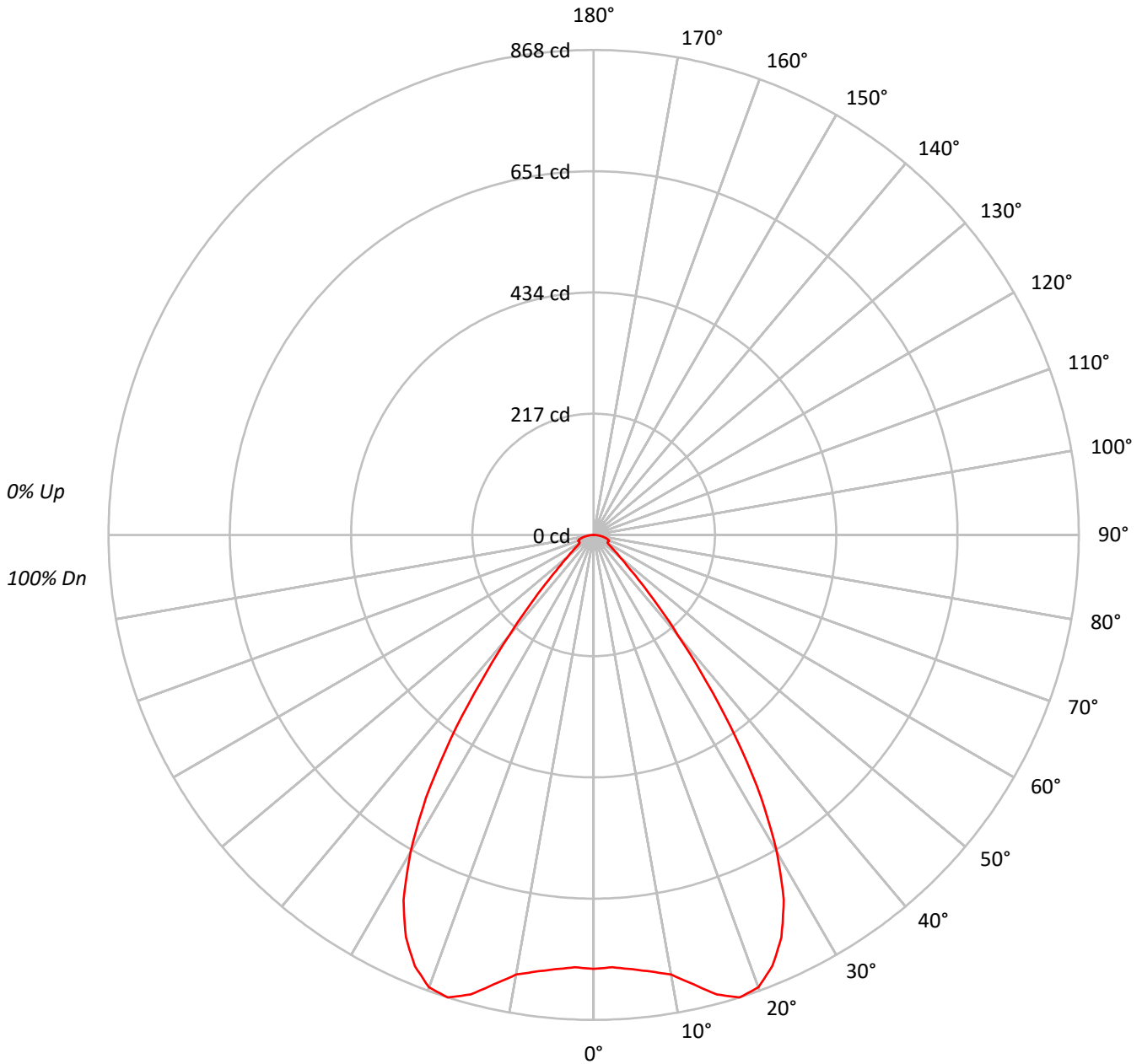
Lumens per Lamp: N/A
Luminaire Lumens: 1141.4 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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°	42573
5°	42934
10°	44483
15°	48320
20°	50259
25°	48069
30°	41481
35°	29868
40°	16824
45°	8722
50°	5202
55°	3747
60°	3180
65°	3671
70°	4648
75°	4914
80°	4830
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	6.6
10°-20°	240.1	21.0
20°-30°	358.9	31.4
30°-40°	274.3	24.0
40°-50°	95.8	8.4
50°-60°	36.5	3.2
60°-70°	28.6	2.5
70°-80°	24.2	2.1
80°-90°	7.8	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°	674.1	59.1
0°-40°	948.4	83.1
0°-60°	1080.7	94.7
0°-90°	1141.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	777	
5°	780	75
15°	851	240
25°	795	359
35°	446	274
45°	112	96
55°	39	37
65°	28	29
75°	23	24
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	776.6
2.5°	774.4
5°	780.2
7.5°	788.2
10°	799.1
12.5°	823.8
15°	851.4
17.5°	868.0
20°	861.5
22.5°	835.3
25°	794.7
27.5°	736.7
30°	655.3
32.5°	558.1
35°	446.3
37.5°	331.0
40°	235.1
42.5°	164.7
45°	112.5
47.5°	79.1
50°	61.0
52.5°	47.9
55°	39.2
57.5°	31.9
60°	29.0
62.5°	28.3
65°	28.3
67.5°	29.8
70°	29.0
72.5°	26.8
75°	23.2
77.5°	19.6
80°	15.3
82.5°	10.9
85°	7.2
87.5°	2.9
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)