

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: P581726

Luminaire Tested: **HCC6W15D010MB-HM60525830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581726
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: HCC6W15D010MB-HM60525830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

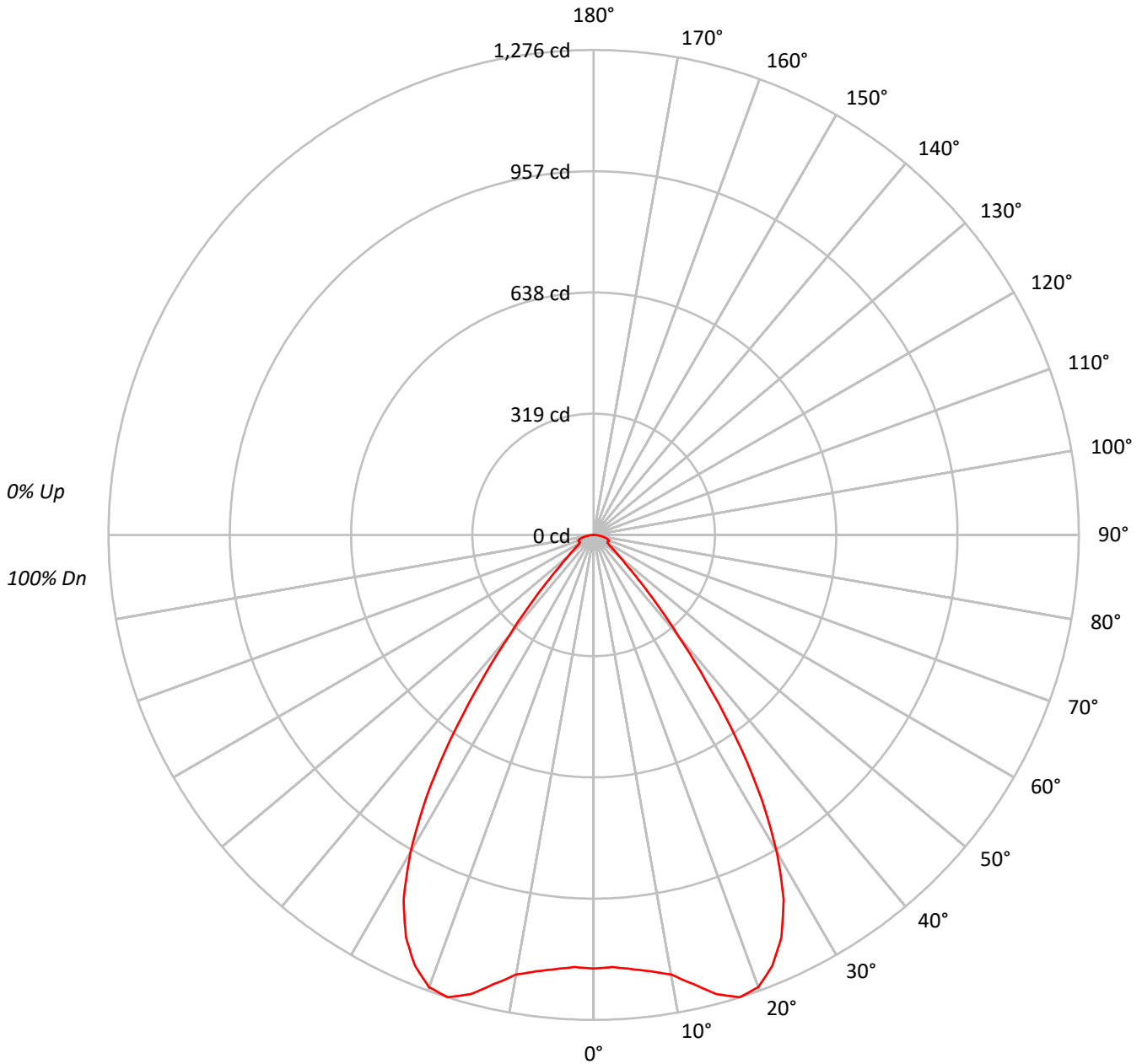
Lumens per Lamp: N/A
Luminaire Lumens: 1677.3 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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	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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62555
5°	63091
10°	65368
15°	70999
20°	73856
25°	70637
30°	60959
35°	43895
40°	24725
45°	12815
50°	7642
55°	5496
60°	4682
65°	5383
70°	6844
75°	7244
80°	7072
85°	6730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	6.6
10°-20°	352.8	21.0
20°-30°	527.4	31.4
30°-40°	403.1	24.0
40°-50°	140.8	8.4
50°-60°	53.6	3.2
60°-70°	42.0	2.5
70°-80°	35.6	2.1
80°-90°	11.5	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°	990.5	59.1
0°-40°	1393.7	83.1
0°-60°	1588.1	94.7
0°-90°	1677.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1677.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1141	
5°	1146	110
15°	1251	353
25°	1168	527
35°	656	403
45°	165	141
55°	58	54
65°	42	42
75°	34	36
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1141.1
2.5°	1138.0
5°	1146.5
7.5°	1158.3
10°	1174.3
12.5°	1210.5
15°	1251.0
17.5°	1275.5
20°	1266.0
22.5°	1227.5
25°	1167.8
27.5°	1082.4
30°	963.0
32.5°	820.2
35°	655.9
37.5°	486.3
40°	345.5
42.5°	242.1
45°	165.3
47.5°	116.2
50°	89.6
52.5°	70.4
55°	57.5
57.5°	46.9
60°	42.7
62.5°	41.5
65°	41.5
67.5°	43.7
70°	42.7
72.5°	39.5
75°	34.2
77.5°	28.8
80°	22.4
82.5°	16.0
85°	10.7
87.5°	4.3
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)