

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: P581816

Luminaire Tested: **HCC6W15D010MW-HM60525935-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581816
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: HCC6W15D010MW-HM60525935-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

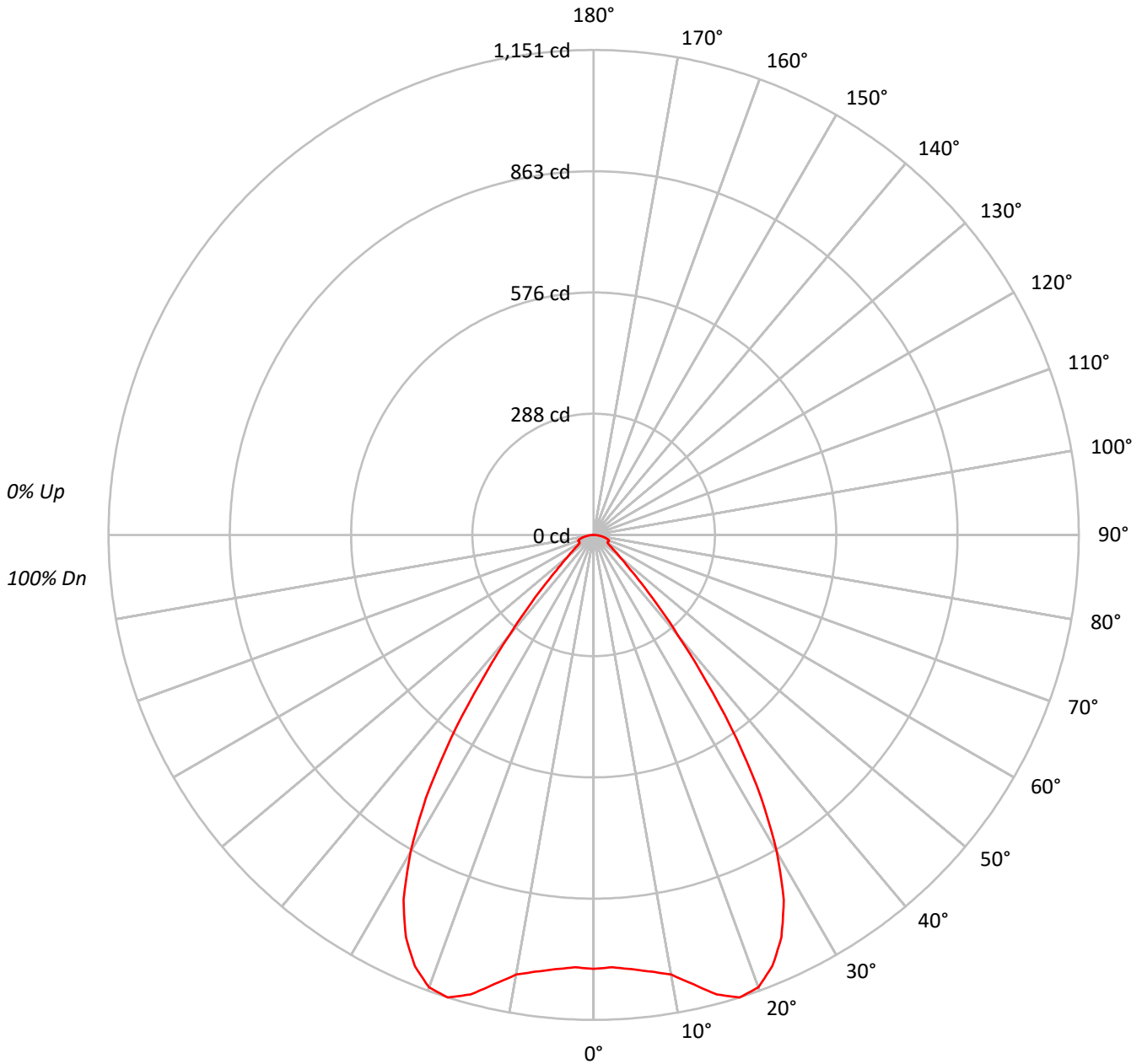
Lumens per Lamp: N/A
Luminaire Lumens: 1513.7 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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	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°	56454
5°	56939
10°	58984
15°	64075
20°	66652
25°	63742
30°	55015
35°	39612
40°	22313
45°	11559
50°	6891
55°	4970
60°	4221
65°	4877
70°	6171
75°	6524
80°	6377
85°	6038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	6.6
10°-20°	318.4	21.0
20°-30°	475.9	31.4
30°-40°	363.8	24.0
40°-50°	127.1	8.4
50°-60°	48.4	3.2
60°-70°	38.0	2.5
70°-80°	32.1	2.1
80°-90°	10.3	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°	893.9	59.1
0°-40°	1257.7	83.1
0°-60°	1433.2	94.7
0°-90°	1513.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1513.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1030	
5°	1035	100
15°	1129	318
25°	1054	476
35°	592	364
45°	149	127
55°	52	48
65°	38	38
75°	31	32
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1029.8
2.5°	1026.9
5°	1034.7
7.5°	1045.2
10°	1059.6
12.5°	1092.4
15°	1129.0
17.5°	1151.1
20°	1142.5
22.5°	1107.8
25°	1053.8
27.5°	976.9
30°	869.1
32.5°	740.1
35°	591.9
37.5°	438.9
40°	311.8
42.5°	218.5
45°	149.1
47.5°	104.9
50°	80.8
52.5°	63.6
55°	52.0
57.5°	42.3
60°	38.5
62.5°	37.6
65°	37.6
67.5°	39.5
70°	38.5
72.5°	35.6
75°	30.8
77.5°	26.0
80°	20.2
82.5°	14.4
85°	9.6
87.5°	3.9
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)