

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: P581718

Luminaire Tested: **HCC6W15D010BZ-HM60525830-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W15D010BZ-HM60525830-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

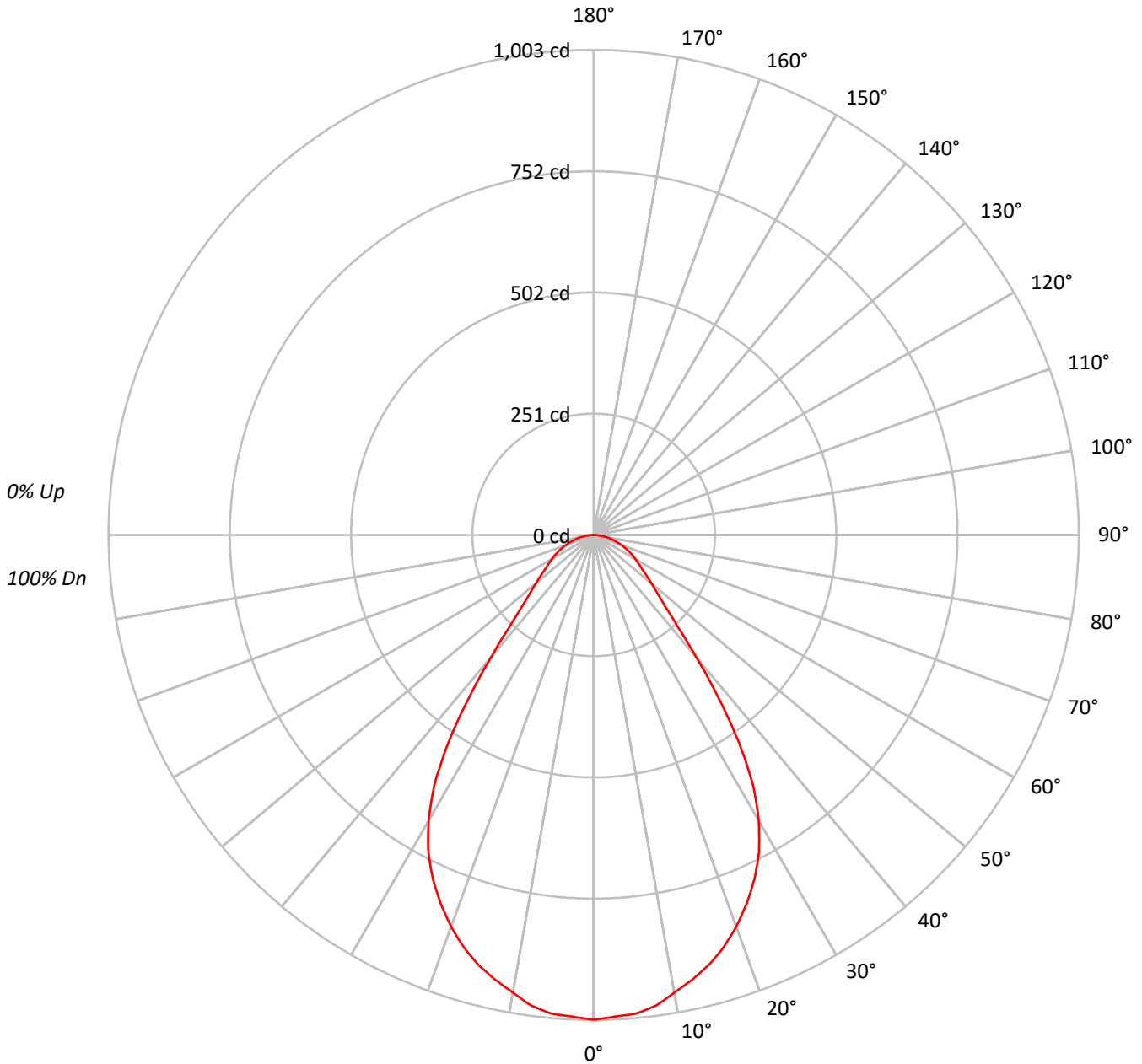
Lumens per Lamp: N/A
Luminaire Lumens: 1451.2 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54968
5°	54705
10°	53500
15°	52248
20°	50282
25°	47549
30°	43216
35°	34981
40°	23587
45°	16211
50°	13279
55°	11622
60°	10986
65°	10377
70°	9745
75°	9256
80°	8429
85°	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	6.5
10°-20°	258.5	17.8
20°-30°	359.1	24.7
30°-40°	319.8	22.0
40°-50°	169.8	11.7
50°-60°	111.0	7.6
60°-70°	79.6	5.5
70°-80°	46.1	3.2
80°-90°	13.5	0.9
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°	711.5	49.0
0°-40°	1031.3	71.1
0°-60°	1312.1	90.4
0°-90°	1451.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1451.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1003	
5°	994	94
15°	921	259
25°	786	359
35°	523	320
45°	209	170
55°	122	111
65°	80	80
75°	44	46
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1002.7
2.5°	997.3
5°	994.1
7.5°	982.5
10°	961.1
12.5°	941.9
15°	920.6
17.5°	893.9
20°	861.9
22.5°	825.6
25°	786.1
27.5°	740.2
30°	682.7
32.5°	613.4
35°	522.7
37.5°	422.4
40°	329.6
42.5°	256.1
45°	209.1
47.5°	178.1
50°	155.7
52.5°	137.6
55°	121.6
57.5°	109.9
60°	100.2
62.5°	90.7
65°	80.0
67.5°	70.4
70°	60.8
72.5°	52.3
75°	43.7
77.5°	35.2
80°	26.7
82.5°	19.2
85°	11.7
87.5°	5.3
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)