

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: P582744

Luminaire Tested: **HCC6S50D010BZ-HM64560835-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582744
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: HCC6S50D010BZ-HM64560835-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

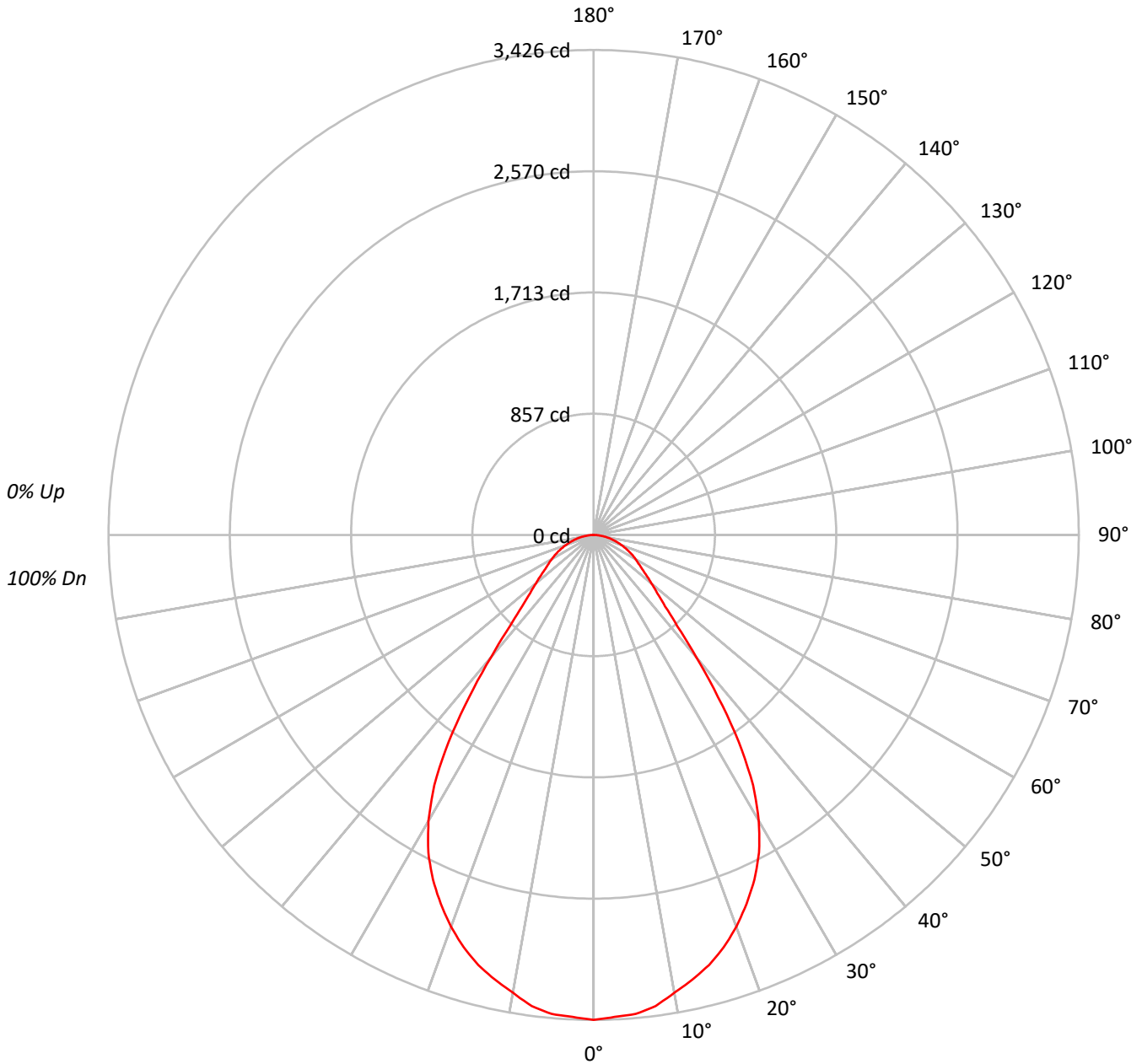
Lumens per Lamp: N/A
Luminaire Lumens: 4959.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): 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	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187825
5°	186935
10°	182807
15°	178525
20°	171812
25°	162487
30°	147662
35°	119525
40°	80601
45°	55386
50°	45389
55°	39712
60°	37563
65°	35464
70°	33291
75°	31644
80°	28792
85°	25160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.7	6.5
10°-20°	883.3	17.8
20°-30°	1227.3	24.7
30°-40°	1092.7	22.0
40°-50°	580.1	11.7
50°-60°	379.3	7.6
60°-70°	271.8	5.5
70°-80°	157.6	3.2
80°-90°	46.1	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°	2431.3	49.0
0°-40°	3524.0	71.1
0°-60°	4483.4	90.4
0°-90°	4959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4959.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3426	
5°	3397	321
15°	3146	883
25°	2686	1227
35°	1786	1093
45°	714	580
55°	416	379
65°	273	272
75°	149	158
85°	40	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3426.2
2.5°	3408.0
5°	3397.0
7.5°	3357.0
10°	3284.0
12.5°	3218.5
15°	3145.6
17.5°	3054.4
20°	2945.1
22.5°	2821.2
25°	2686.3
27.5°	2529.6
30°	2332.7
32.5°	2095.8
35°	1786.0
37.5°	1443.4
40°	1126.3
42.5°	874.8
45°	714.4
47.5°	608.7
50°	532.2
52.5°	470.2
55°	415.5
57.5°	375.4
60°	342.6
62.5°	309.8
65°	273.4
67.5°	240.6
70°	207.7
72.5°	178.6
75°	149.4
77.5°	120.2
80°	91.2
82.5°	65.7
85°	40.0
87.5°	18.2
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)