

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: P584325

Luminaire Tested: **HCC8S30D010BZ-HM82555930-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S30D010BZ-HM82555930-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

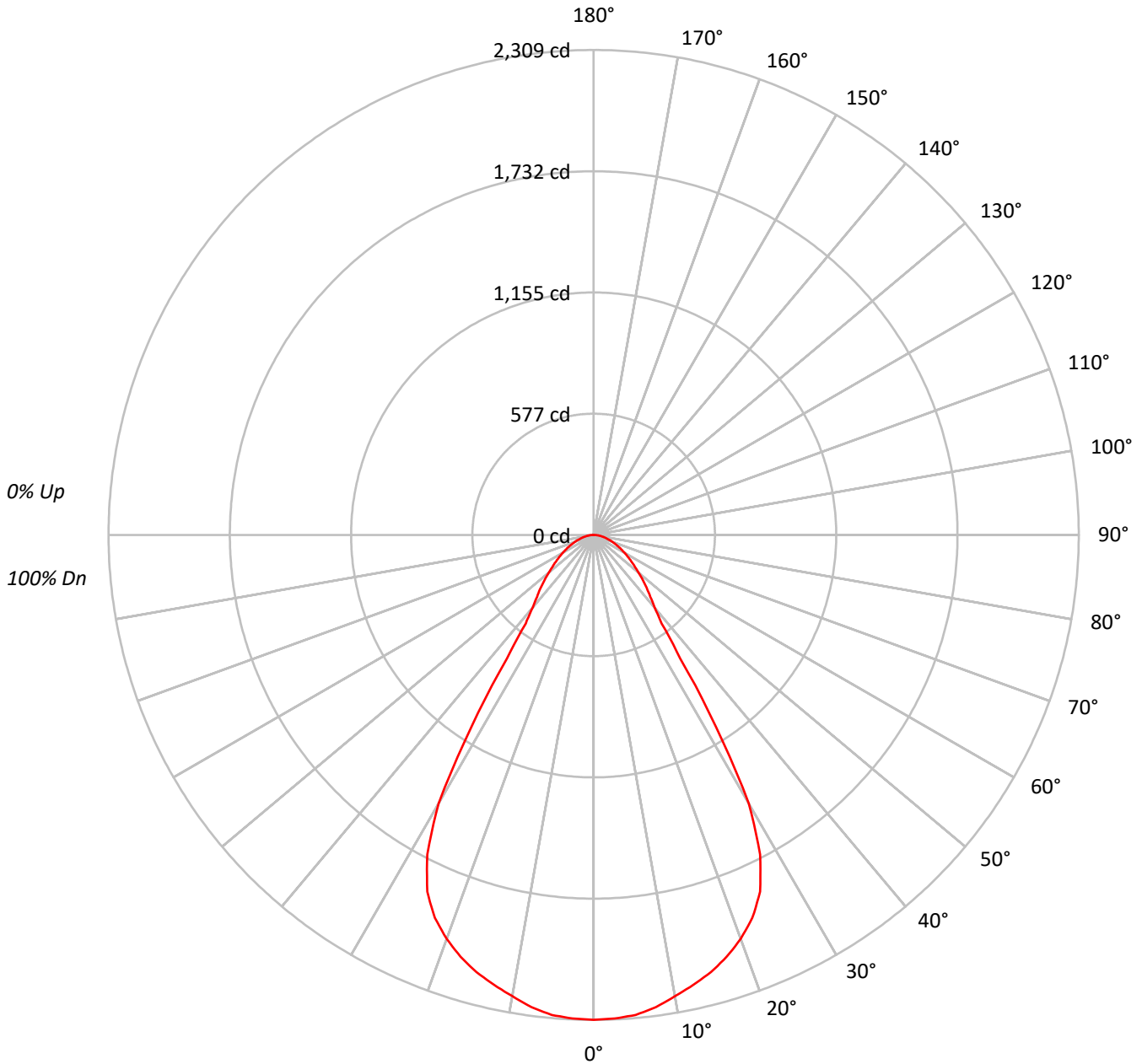
Lumens per Lamp: N/A
Luminaire Lumens: 2856.4 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	105	99	94	90	102	97	92	88	94	90	87		91	87	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75	72	68	67
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66	61	58	56
7	77	66	59	54	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	73	62	55	50	71	61	55	50	60	54	50		59	54	50		58	53	49	48
9	69	58	51	47	68	57	51	47	56	51	46		55	50	46		55	50	46	45
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71198
5°	71006
10°	69826
15°	68806
20°	67153
25°	63748
30°	52580
35°	27070
40°	18126
45°	15538
50°	13408
55°	11704
60°	10398
65°	9347
70°	8466
75°	7625
80°	6819
85°	6828



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.9	7.6
10°-20°	606.4	21.2
20°-30°	840.2	29.4
30°-40°	504.7	17.7
40°-50°	276.2	9.7
50°-60°	196.2	6.9
60°-70°	127.4	4.5
70°-80°	68.1	2.4
80°-90°	20.4	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°	1663.5	58.2
0°-40°	2168.1	75.9
0°-60°	2640.6	92.4
0°-90°	2856.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2856.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2309	
5°	2294	217
15°	2155	606
25°	1874	840
35°	719	505
45°	356	276
55°	218	196
65°	128	127
75°	64	68
85°	19	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2308.9
2.5°	2304.6
5°	2293.9
7.5°	2268.4
10°	2230.0
12.5°	2193.7
15°	2155.3
17.5°	2106.2
20°	2046.4
22.5°	1973.9
25°	1873.6
27.5°	1715.7
30°	1476.7
32.5°	1081.9
35°	719.1
37.5°	531.4
40°	450.3
42.5°	399.0
45°	356.3
47.5°	315.8
50°	279.5
52.5°	245.4
55°	217.7
57.5°	192.0
60°	168.6
62.5°	147.2
65°	128.1
67.5°	108.8
70°	93.9
72.5°	76.8
75°	64.0
77.5°	51.2
80°	38.4
82.5°	27.7
85°	19.3
87.5°	8.6
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)