

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: P584450

Luminaire Tested: **HCC8S35D010MW-HM82555927-81WDH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
 Report Number: P584450
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-8)
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 10/21/2021
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO COMMERCIAL
 Catalog Number: HCC8S35D010MW-HM82555927-81WDH
 Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, HAZE TRIM
 Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
 Ballast/Driver: ELECTRONIC DRIVER

Summary

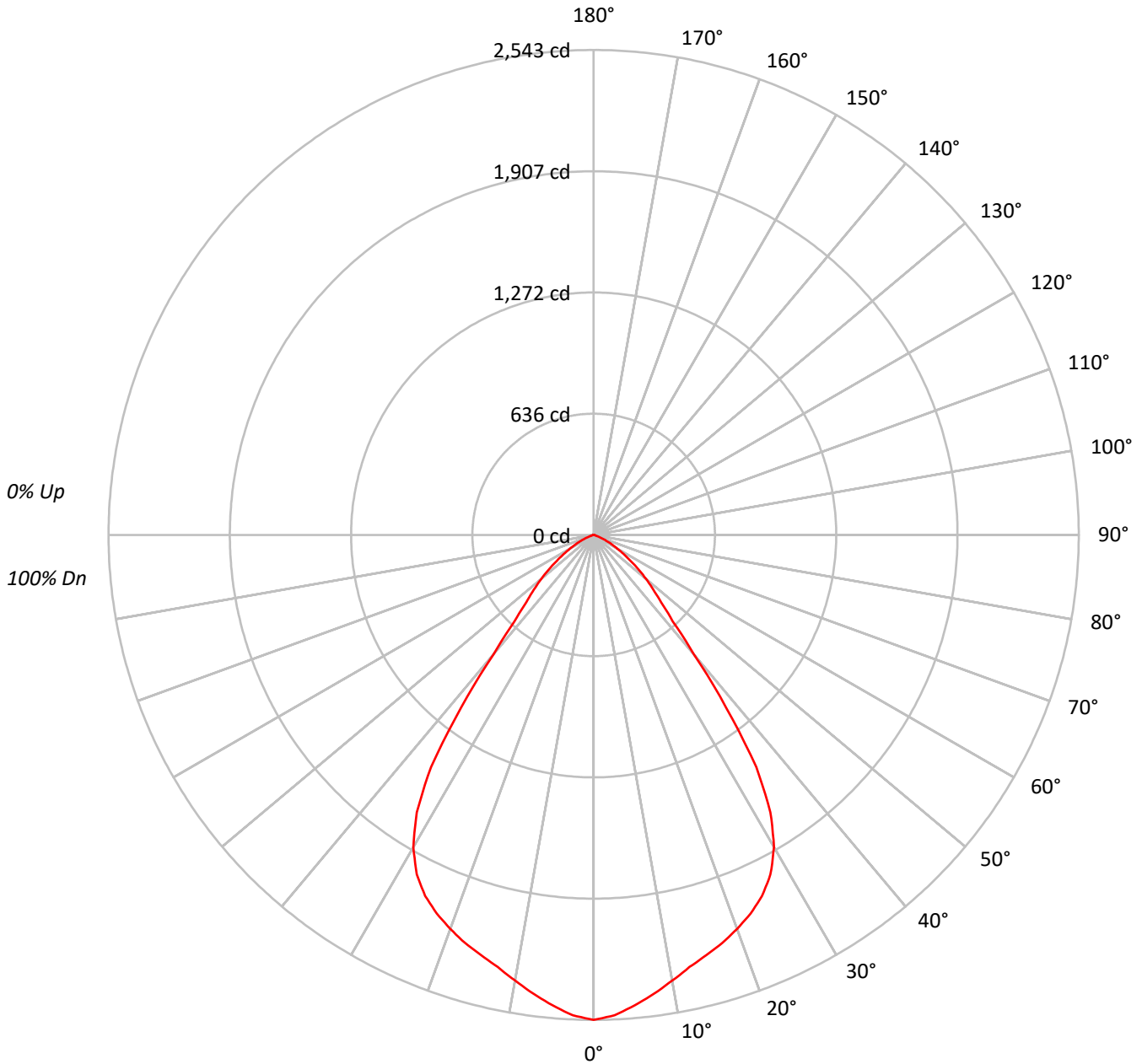
Lumens per Lamp: N/A
 Luminaire Lumens: 3425.3 lumens
 Efficiency: N/A
 Efficacy: 101.6 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
 Luminous Opening: Circular (Dia: 0.67' x H: 0')
 CIE Type: Direct

Input Watts (W): 33.7
 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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68		
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62		
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57		
7	77	67	60	55	76	66	59	55	64	59	54	63	58	54	62	57	54	52		
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78417
5°	76652
10°	74300
15°	72797
20°	72141
25°	71066
30°	67318
35°	55932
40°	32936
45°	21787
50°	17150
55°	12618
60°	8764
65°	5341
70°	2335
75°	1025
80°	764
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	6.8
10°-20°	644.7	18.8
20°-30°	955.1	27.9
30°-40°	882.6	25.8
40°-50°	407.0	11.9
50°-60°	214.0	6.2
60°-70°	75.6	2.2
70°-80°	11.9	0.3
80°-90°	1.2	0.0
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°	1833.0	53.5
0°-40°	2715.6	79.3
0°-60°	3336.6	97.4
0°-90°	3425.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3425.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2543	
5°	2476	233
15°	2280	645
25°	2089	955
35°	1486	883
45°	500	407
55°	235	214
65°	73	76
75°	9	12
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2543.0
2.5°	2521.4
5°	2476.3
7.5°	2426.8
10°	2372.9
12.5°	2321.2
15°	2280.3
17.5°	2243.7
20°	2198.4
22.5°	2149.0
25°	2088.7
27.5°	2006.9
30°	1890.6
32.5°	1724.8
35°	1485.8
37.5°	1141.2
40°	818.2
42.5°	613.7
45°	499.6
47.5°	424.2
50°	357.5
52.5°	292.8
55°	234.7
57.5°	185.2
60°	142.1
62.5°	107.7
65°	73.2
67.5°	43.0
70°	25.9
72.5°	15.1
75°	8.6
77.5°	6.5
80°	4.3
82.5°	2.2
85°	0.0
87.5°	0.0
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)