

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: P583901

Luminaire Tested: **HCC8S15D010MW-HM80520927-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
 Report Number: P583901
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 10/21/2021
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO COMMERCIAL
 Catalog Number: HCC8S15D010MW-HM80520927-81MDW
 Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
 Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
 Ballast/Driver: ELECTRONIC DRIVER

Summary

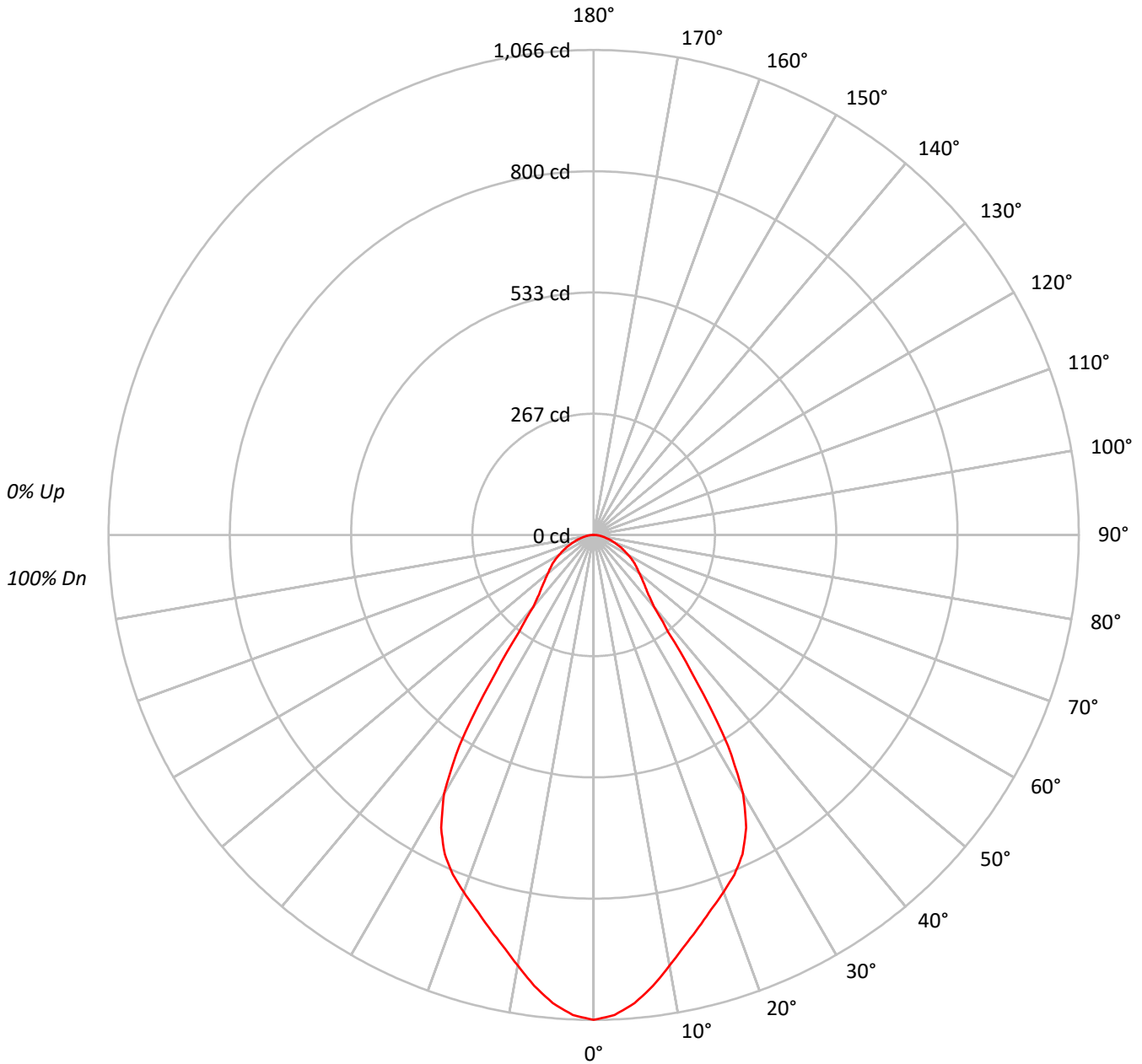
Lumens per Lamp: N/A
 Luminaire Lumens: 1285.4 lumens
 Efficiency: N/A
 Efficacy: 91.8 lumens/watt
 Spacing Criteria (0/90/45): 1 / 1 / 0.95
 Luminous Opening: Circular (Dia: 0.67' x H: 0')
 CIE Type: Direct

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	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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90					90			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80					80			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72					72			
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65					65			
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59					59			
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54					54			
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50					50			
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46					46			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43					43			
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40					40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32868
5°	31972
10°	30088
15°	28486
20°	27404
25°	26341
30°	23397
35°	14900
40°	8312
45°	6964
50°	6289
55°	5930
60°	5409
65°	4881
70°	4301
75°	3836
80°	3374
85°	3078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	7.5
10°-20°	251.7	19.6
20°-30°	351.1	27.3
30°-40°	252.6	19.7
40°-50°	125.2	9.7
50°-60°	98.0	7.6
60°-70°	66.3	5.2
70°-80°	34.4	2.7
80°-90°	9.9	0.8
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°	699.0	54.4
0°-40°	951.6	74.0
0°-60°	1174.8	91.4
0°-90°	1285.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1285.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1066	
5°	1033	96
15°	892	252
25°	774	351
35°	396	253
45°	160	125
55°	110	98
65°	67	66
75°	32	34
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1065.9
2.5°	1056.3
5°	1032.9
7.5°	999.9
10°	960.9
12.5°	924.5
15°	892.3
17.5°	861.9
20°	835.1
22.5°	808.1
25°	774.2
27.5°	725.7
30°	657.1
32.5°	549.5
35°	395.8
37.5°	269.9
40°	206.5
42.5°	178.0
45°	159.7
47.5°	144.1
50°	131.1
52.5°	119.8
55°	110.3
57.5°	98.9
60°	87.7
62.5°	76.4
65°	66.9
67.5°	57.2
70°	47.7
72.5°	39.9
75°	32.2
77.5°	25.2
80°	19.0
82.5°	13.9
85°	8.7
87.5°	4.3
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)