

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: P580474

Luminaire Tested: **HCC4S35D010BZ-HM43040927-41NDH**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S35D010BZ-HM43040927-41NDH
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

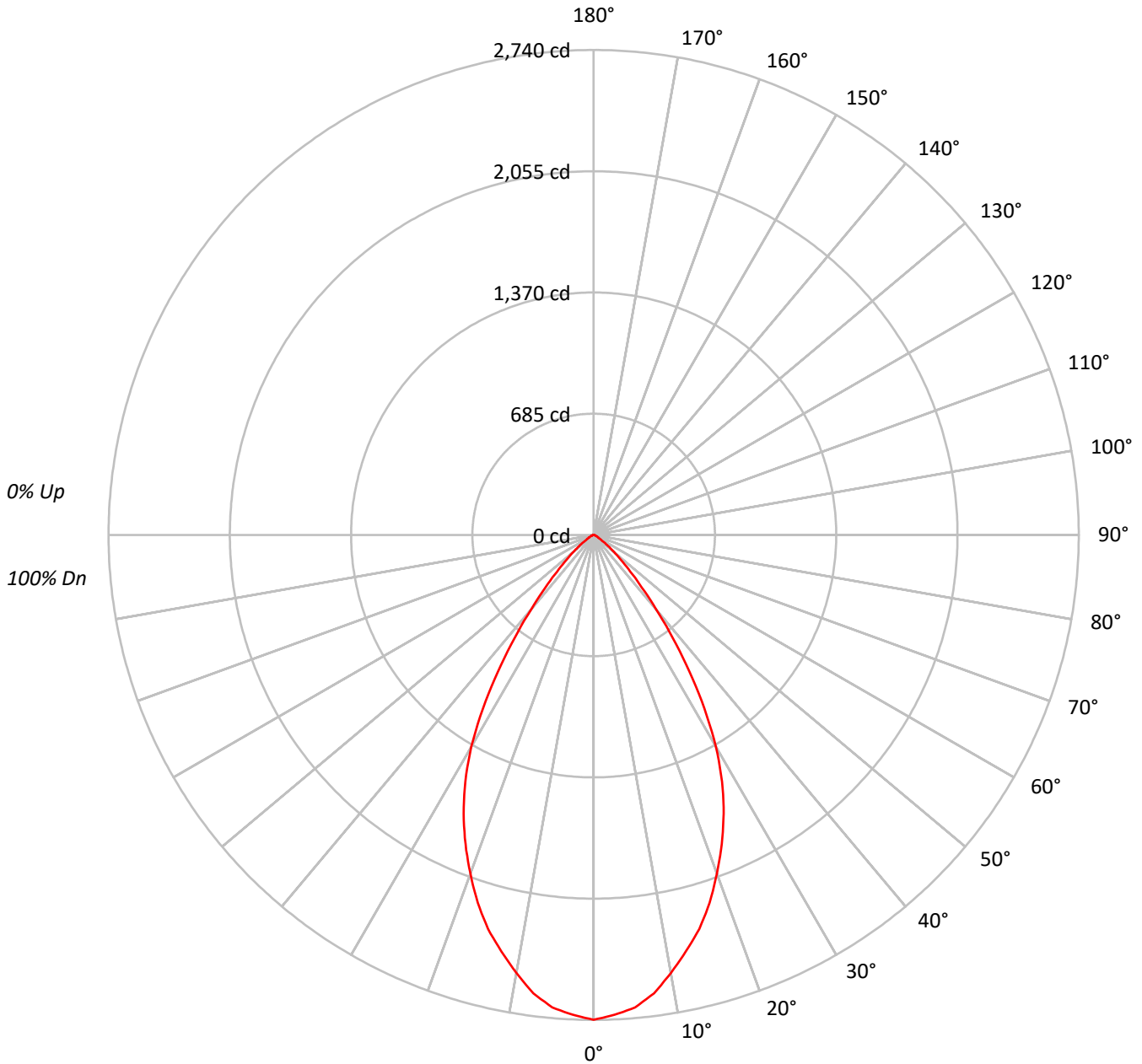
Lumens per Lamp: N/A
Luminaire Lumens: 2605.4 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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									20									
RC	80									50									30									10									0									0									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	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	100	99	97	97	96	95	93	93	93	93	93	93	93	93	93																				
	1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93																				
	2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86	85	82	86	83	81	86	83	81	81	81	81	81	81	81																				
	3	101	95	89	85	99	93	88	84	91	86	83	88	85	82	86	83	81	79	79	79	78	75	75	74	73	73	73	73	73	73	73	73	73	73	73																			
	4	96	88	82	78	94	87	81	77	85	80	76	82	79	75	81	77	74	73	73	73	72	70	76	72	69	67	67	67	67	67	67	67	67	67	67	67																		
	5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	66	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64																		
	6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63																	
	7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58																	
	8	77	67	61	57	76	67	61	56	65	60	56	64	59	56	63	59	56	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54																	
	9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51																	
	10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	337918
5°	331779
10°	314699
15°	294252
20°	267249
25°	236482
30°	196706
35°	141844
40°	88543
45°	51058
50°	28822
55°	13720
60°	7869
65°	6042
70°	4039
75°	2669
80°	2628
85°	2689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.5	9.6
10°-20°	642.8	24.7
20°-30°	790.6	30.3
30°-40°	587.2	22.5
40°-50°	238.7	9.2
50°-60°	66.1	2.5
60°-70°	20.6	0.8
70°-80°	6.9	0.3
80°-90°	2.1	0.1
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°	1683.9	64.6
0°-40°	2271.1	87.2
0°-60°	2575.9	98.9
0°-90°	2605.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2605.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2740	
5°	2680	250
15°	2304	643
25°	1738	791
35°	942	587
45°	293	239
55°	64	66
65°	21	21
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2739.6
2.5°	2713.4
5°	2679.6
7.5°	2612.1
10°	2512.6
12.5°	2409.4
15°	2304.3
17.5°	2178.6
20°	2036.0
22.5°	1891.5
25°	1737.6
27.5°	1570.7
30°	1381.1
32.5°	1165.3
35°	942.0
37.5°	731.8
40°	549.9
42.5°	401.6
45°	292.7
47.5°	210.2
50°	150.2
52.5°	103.2
55°	63.8
57.5°	41.3
60°	31.9
62.5°	26.3
65°	20.7
67.5°	15.1
70°	11.2
72.5°	9.3
75°	5.6
77.5°	3.7
80°	3.7
82.5°	1.9
85°	1.9
87.5°	1.9
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)