

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: P582527

Luminaire Tested: **HCC6W40D010BZ-HM63040935-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W40D010BZ-HM63040935-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

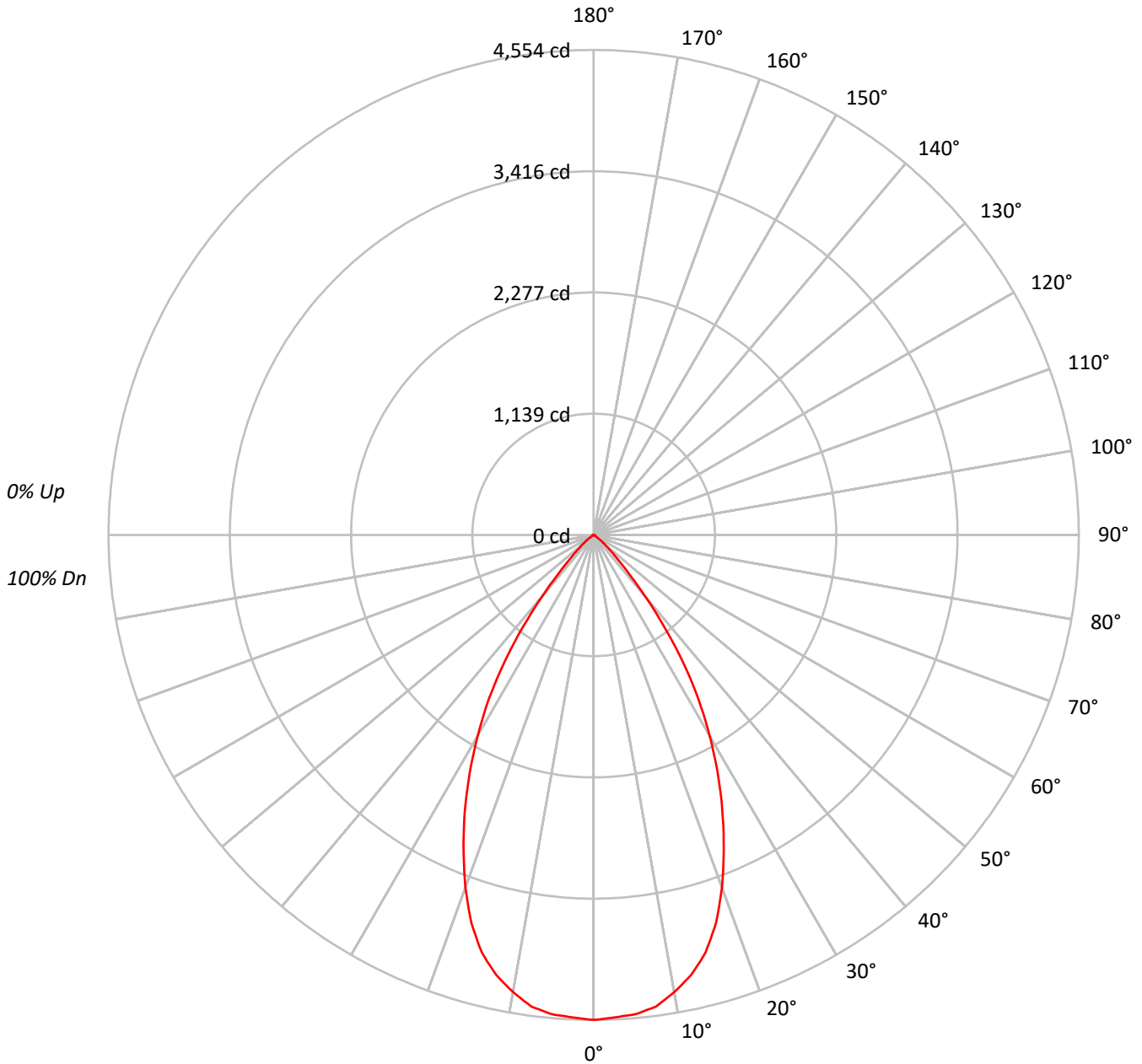
Lumens per Lamp: N/A
Luminaire Lumens: 4078.3 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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									
RC	80									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																			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93																			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75																			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70																			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65																			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61																			
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57																			
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54																			
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	249651
5°	248591
10°	242709
15°	230393
20°	205357
25°	172994
30°	137825
35°	98337
40°	52878
45°	22654
50°	10302
55°	3756
60°	1853
65°	1453
70°	1346
75°	593
80°	884
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.4	10.5
10°-20°	1125.3	27.6
20°-30°	1303.3	32.0
30°-40°	901.2	22.1
40°-50°	260.2	6.4
50°-60°	44.8	1.1
60°-70°	11.4	0.3
70°-80°	4.4	0.1
80°-90°	1.1	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°	2855.0	70.0
0°-40°	3756.2	92.1
0°-60°	4061.3	99.6
0°-90°	4078.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4078.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4554	
5°	4517	426
15°	4060	1125
25°	2860	1303
35°	1469	901
45°	292	260
55°	39	45
65°	11	11
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4554.0
2.5°	4534.3
5°	4517.4
7.5°	4466.9
10°	4360.1
12.5°	4231.0
15°	4059.5
17.5°	3818.0
20°	3520.1
22.5°	3191.5
25°	2860.0
27.5°	2519.9
30°	2177.3
32.5°	1834.5
35°	1469.4
37.5°	1090.0
40°	738.9
42.5°	466.4
45°	292.2
47.5°	188.2
50°	120.8
52.5°	73.1
55°	39.3
57.5°	22.4
60°	16.9
62.5°	14.0
65°	11.2
67.5°	8.4
70°	8.4
72.5°	5.7
75°	2.8
77.5°	2.8
80°	2.8
82.5°	2.8
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)