

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: P582246

Luminaire Tested: **HCC6W30D010MW-HM63040935-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010MW-HM63040935-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

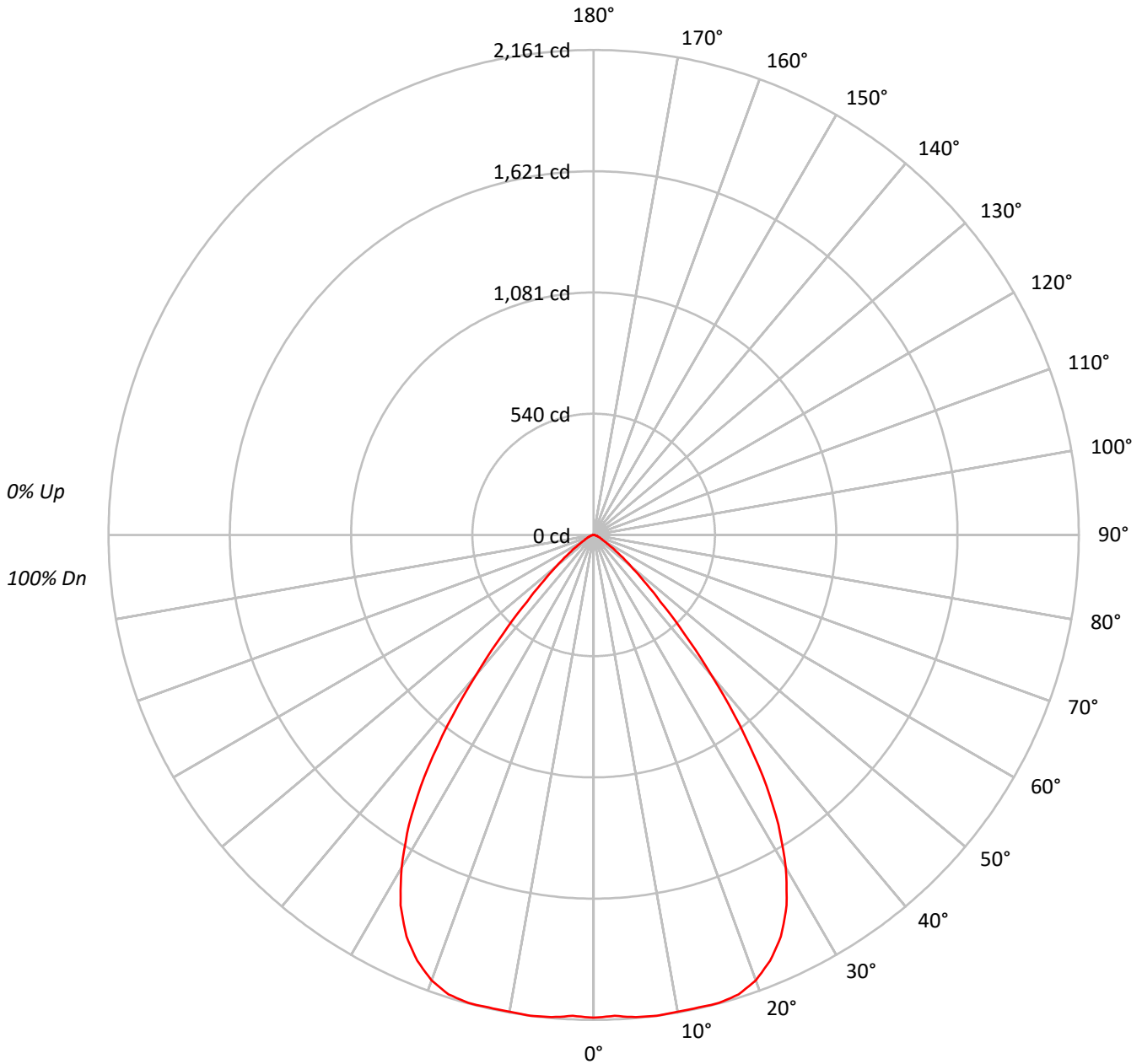
Lumens per Lamp: N/A
Luminaire Lumens: 3010.9 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92			92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54			54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50			50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117918
5°	118704
10°	120077
15°	122538
20°	123228
25°	119384
30°	108314
35°	88064
40°	58452
45°	32531
50°	18242
55°	10122
60°	5581
65°	4229
70°	2933
75°	2160
80°	1263
85°	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.9	6.8
10°-20°	608.8	20.2
20°-30°	897.3	29.8
30°-40°	802.6	26.7
40°-50°	348.2	11.6
50°-60°	102.3	3.4
60°-70°	32.7	1.1
70°-80°	11.5	0.4
80°-90°	1.6	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°	1712.0	56.9
0°-40°	2514.6	83.5
0°-60°	2965.1	98.5
0°-90°	3010.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3010.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2151	
5°	2157	206
15°	2159	609
25°	1974	897
35°	1316	803
45°	420	348
55°	106	102
65°	33	33
75°	10	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2151.0
2.5°	2145.0
5°	2157.1
7.5°	2161.2
10°	2157.1
12.5°	2157.1
15°	2159.1
17.5°	2147.0
20°	2112.3
22.5°	2053.3
25°	1973.7
27.5°	1861.7
30°	1711.1
32.5°	1531.8
35°	1315.9
37.5°	1069.4
40°	816.8
42.5°	596.9
45°	419.6
47.5°	299.4
50°	213.9
52.5°	152.8
55°	105.9
57.5°	71.3
60°	50.9
62.5°	40.8
65°	32.6
67.5°	24.5
70°	18.3
72.5°	14.3
75°	10.2
77.5°	8.2
80°	4.0
82.5°	2.0
85°	2.0
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)