

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: P582223

Luminaire Tested: **HC630D010-HM63040930-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040930-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2923.6 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

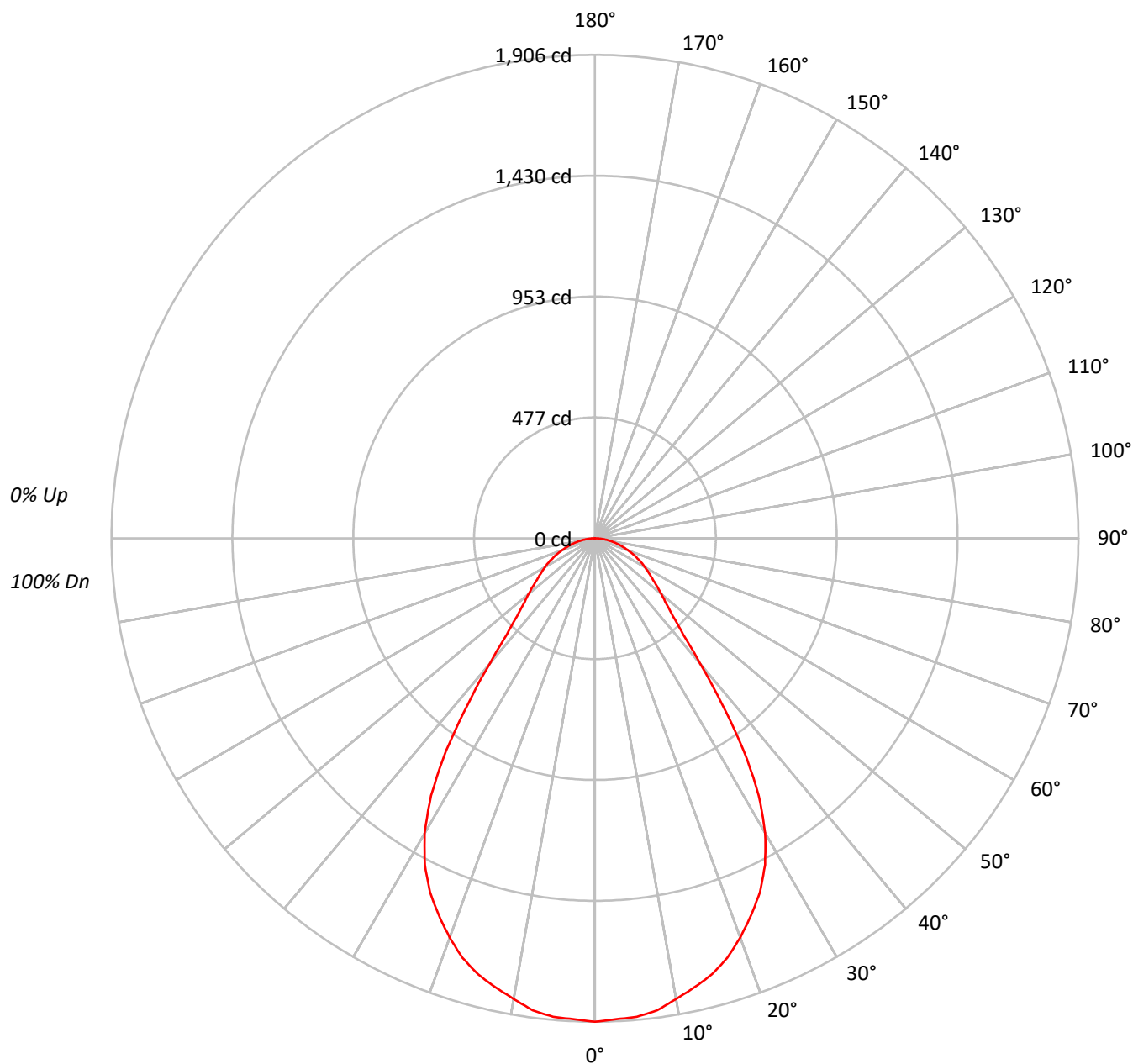
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			93
2	103	96	91	86	101	95	90	85		91	87	83			88	85	82			85
3	96	87	81	75	94	86	80	75		83	78	73			80	76	72			78
4	89	80	72	67	87	78	72	66		76	70	65			74	69	65			72
5	84	73	65	60	82	72	65	59		70	64	59			68	63	58			66
6	78	67	59	54	77	66	59	54		64	58	53			63	57	53			61
7	73	62	54	49	72	61	54	49		60	53	49			58	53	48			57
8	69	57	50	45	68	57	50	45		56	49	45			54	49	44			53
9	65	53	46	41	64	53	46	41		52	46	41			51	45	41			50
10	62	50	43	38	60	49	43	38		49	42	38			48	42	38			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104498
5°	104210
10°	102665
15°	101033
20°	97705
25°	93066
30°	84975
35°	68415
40°	46108
45°	33616
50°	29065
55°	26255
60°	24910
65°	23569
70°	22183
75°	21011
80°	19542
85°	18178



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	6.1
10°-20°	499.9	17.1
20°-30°	702.4	24.0
30°-40°	625.2	21.4
40°-50°	349.4	11.9
50°-60°	249.0	8.5
60°-70°	181.1	6.2
70°-80°	104.9	3.6
80°-90°	32.6	1.1
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°	1381.5	47.3
0°-40°	2006.7	68.6
0°-60°	2605.1	89.1
0°-90°	2923.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2923.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1906	
5°	1894	179
15°	1780	500
25°	1539	702
35°	1022	625
45°	434	349
55°	275	249
65°	182	181
75°	99	105
85°	29	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1906.2
2.5°	1897.9
5°	1893.7
7.5°	1877.2
10°	1844.3
12.5°	1813.2
15°	1780.2
17.5°	1734.8
20°	1674.8
22.5°	1608.7
25°	1538.6
27.5°	1451.8
30°	1342.4
32.5°	1202.0
35°	1022.3
37.5°	819.9
40°	644.3
42.5°	514.2
45°	433.6
47.5°	380.0
50°	340.8
52.5°	305.7
55°	274.7
57.5°	249.9
60°	227.2
62.5°	206.5
65°	181.7
67.5°	161.1
70°	138.4
72.5°	117.7
75°	99.2
77.5°	80.5
80°	61.9
82.5°	45.4
85°	28.9
87.5°	14.5
90°	0.0



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— 0°-180°







(END OF REPORT)