

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: P582241

Luminaire Tested: **HC630D010-HM63040935-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582241
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-HM63040935-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2882.7 lumens
Efficiency: N/A
Efficacy: 103.0 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

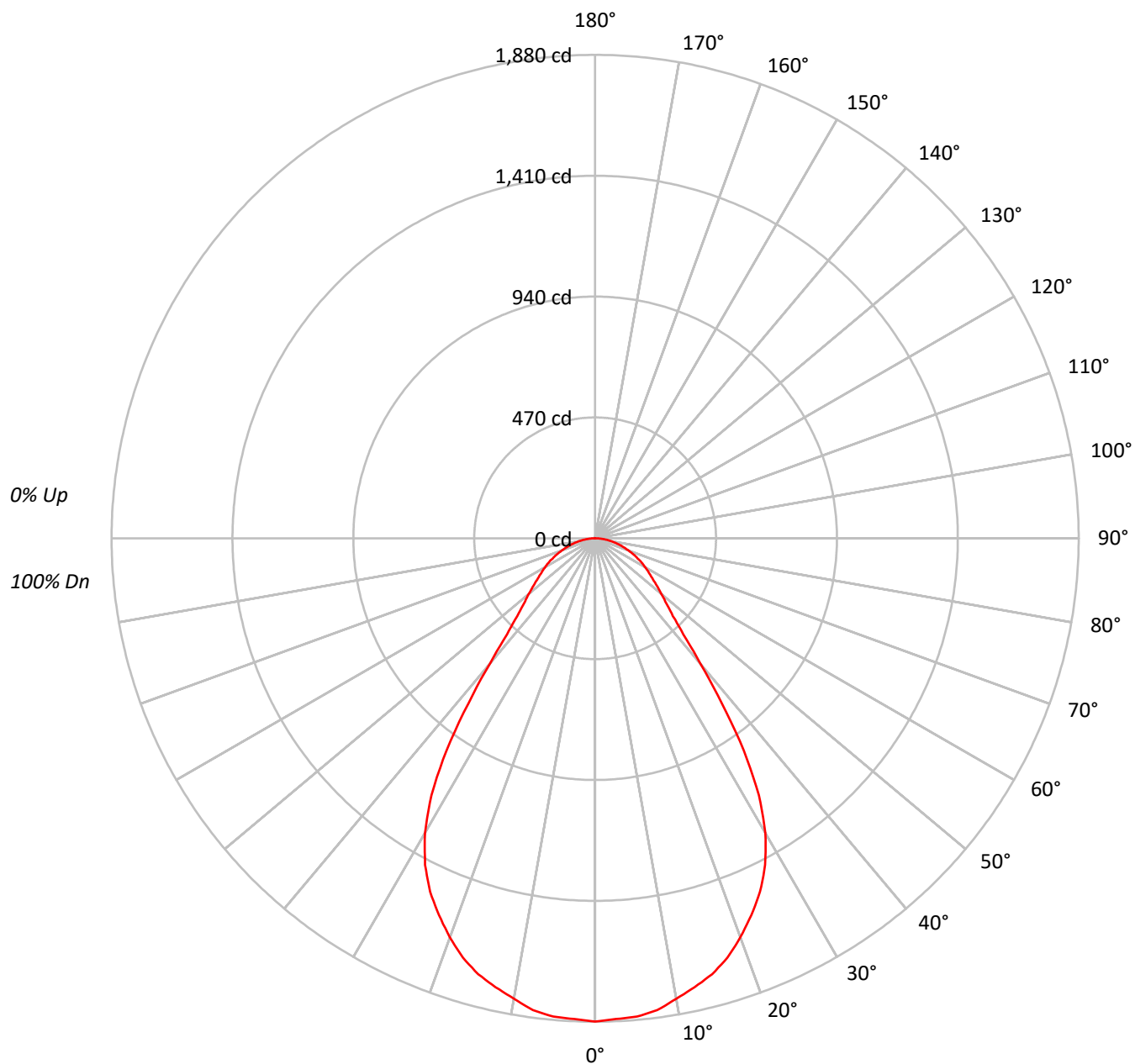
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	103035
5°	102751
10°	101217
15°	99620
20°	96340
25°	91759
30°	83785
35°	67452
40°	45464
45°	33151
50°	28656
55°	25892
60°	24559
65°	23245
70°	21863
75°	20694
80°	19289
85°	17926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.7	6.1
10°-20°	492.9	17.1
20°-30°	692.5	24.0
30°-40°	616.5	21.4
40°-50°	344.5	12.0
50°-60°	245.5	8.5
60°-70°	178.6	6.2
70°-80°	103.3	3.6
80°-90°	32.1	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°	1362.2	47.3
0°-40°	1978.6	68.6
0°-60°	2568.6	89.1
0°-90°	2882.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2882.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1880	
5°	1867	177
15°	1755	493
25°	1517	693
35°	1008	616
45°	428	344
55°	271	245
65°	179	179
75°	98	103
85°	28	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1879.5
2.5°	1871.4
5°	1867.2
7.5°	1850.9
10°	1818.3
12.5°	1787.9
15°	1755.3
17.5°	1710.5
20°	1651.4
22.5°	1586.2
25°	1517.0
27.5°	1431.6
30°	1323.6
32.5°	1185.1
35°	1007.9
37.5°	808.4
40°	635.3
42.5°	507.0
45°	427.6
47.5°	374.7
50°	336.0
52.5°	301.4
55°	270.9
57.5°	246.4
60°	224.0
62.5°	203.7
65°	179.2
67.5°	158.9
70°	136.4
72.5°	116.0
75°	97.7
77.5°	79.4
80°	61.1
82.5°	44.8
85°	28.5
87.5°	14.3
90°	0.0



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— 0°-180°







(END OF REPORT)