

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: P582169

Luminaire Tested: **HC630D010-HM63040835-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582169
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-HM63040835-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3227.3 lumens
Efficiency: N/A
Efficacy: 115.3 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

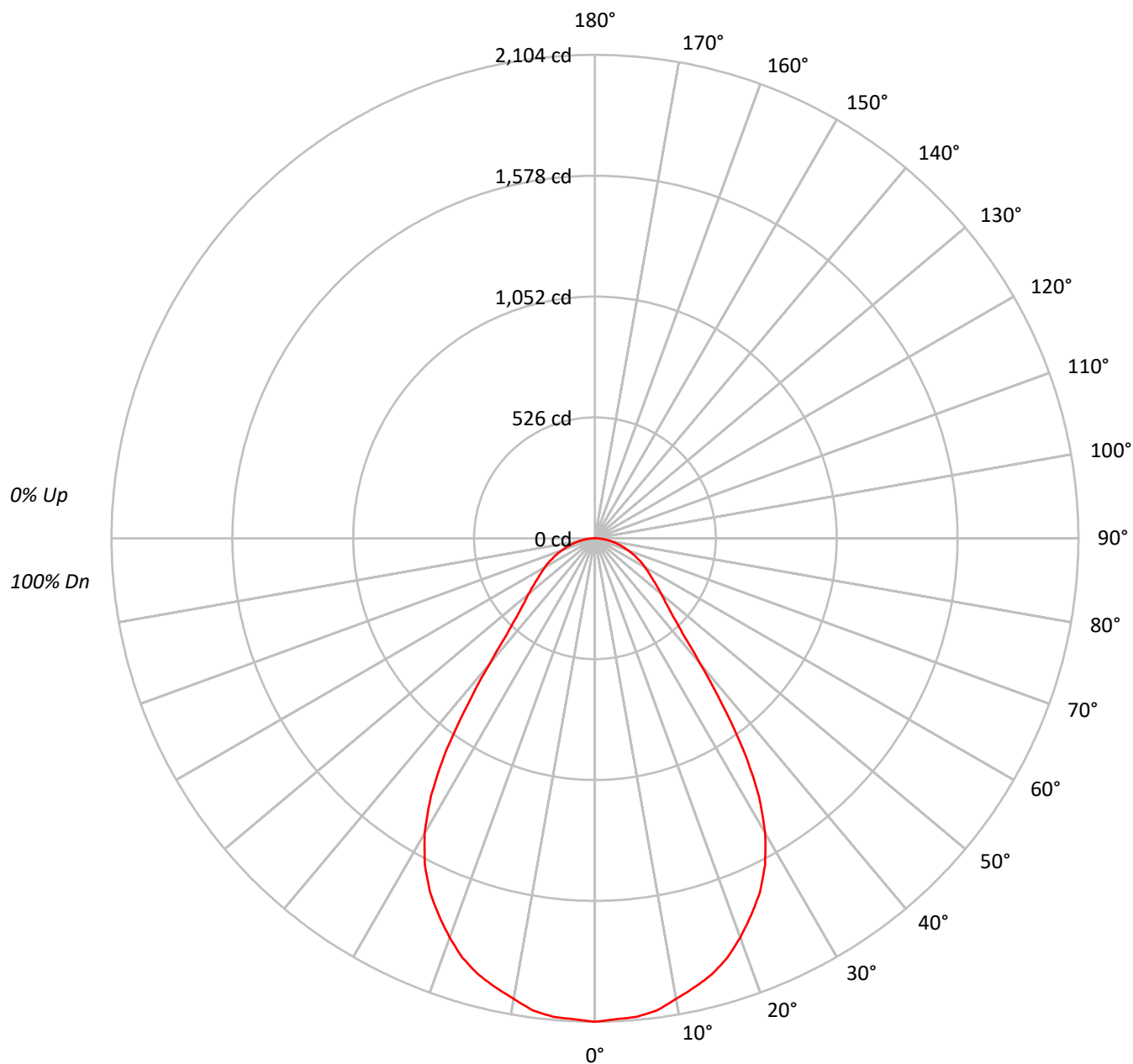
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	115353
5°	115039
10°	113325
15°	111527
20°	107856
25°	102732
30°	93806
35°	75523
40°	50903
45°	37112
50°	32084
55°	28979
60°	27498
65°	26021
70°	24491
75°	23172
80°	21594
85°	20065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.8	6.1
10°-20°	551.8	17.1
20°-30°	775.3	24.0
30°-40°	690.2	21.4
40°-50°	385.7	12.0
50°-60°	274.8	8.5
60°-70°	199.9	6.2
70°-80°	115.8	3.6
80°-90°	36.0	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°	1525.0	47.3
0°-40°	2215.2	68.6
0°-60°	2875.7	89.1
0°-90°	3227.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3227.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2104	
5°	2090	198
15°	1965	552
25°	1698	775
35°	1128	690
45°	479	386
55°	303	275
65°	201	200
75°	109	116
85°	32	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2104.2
2.5°	2095.0
5°	2090.5
7.5°	2072.2
10°	2035.8
12.5°	2001.6
15°	1965.1
17.5°	1914.9
20°	1848.8
22.5°	1775.9
25°	1698.4
27.5°	1602.7
30°	1481.9
32.5°	1326.8
35°	1128.5
37.5°	905.1
40°	711.3
42.5°	567.6
45°	478.7
47.5°	419.5
50°	376.2
52.5°	337.4
55°	303.2
57.5°	275.8
60°	250.8
62.5°	227.9
65°	200.6
67.5°	177.9
70°	152.8
72.5°	130.0
75°	109.4
77.5°	88.9
80°	68.4
82.5°	50.2
85°	31.9
87.5°	15.9
90°	0.0



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— 0°-180°







(END OF REPORT)