

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: P582229

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040930-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3014.3 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

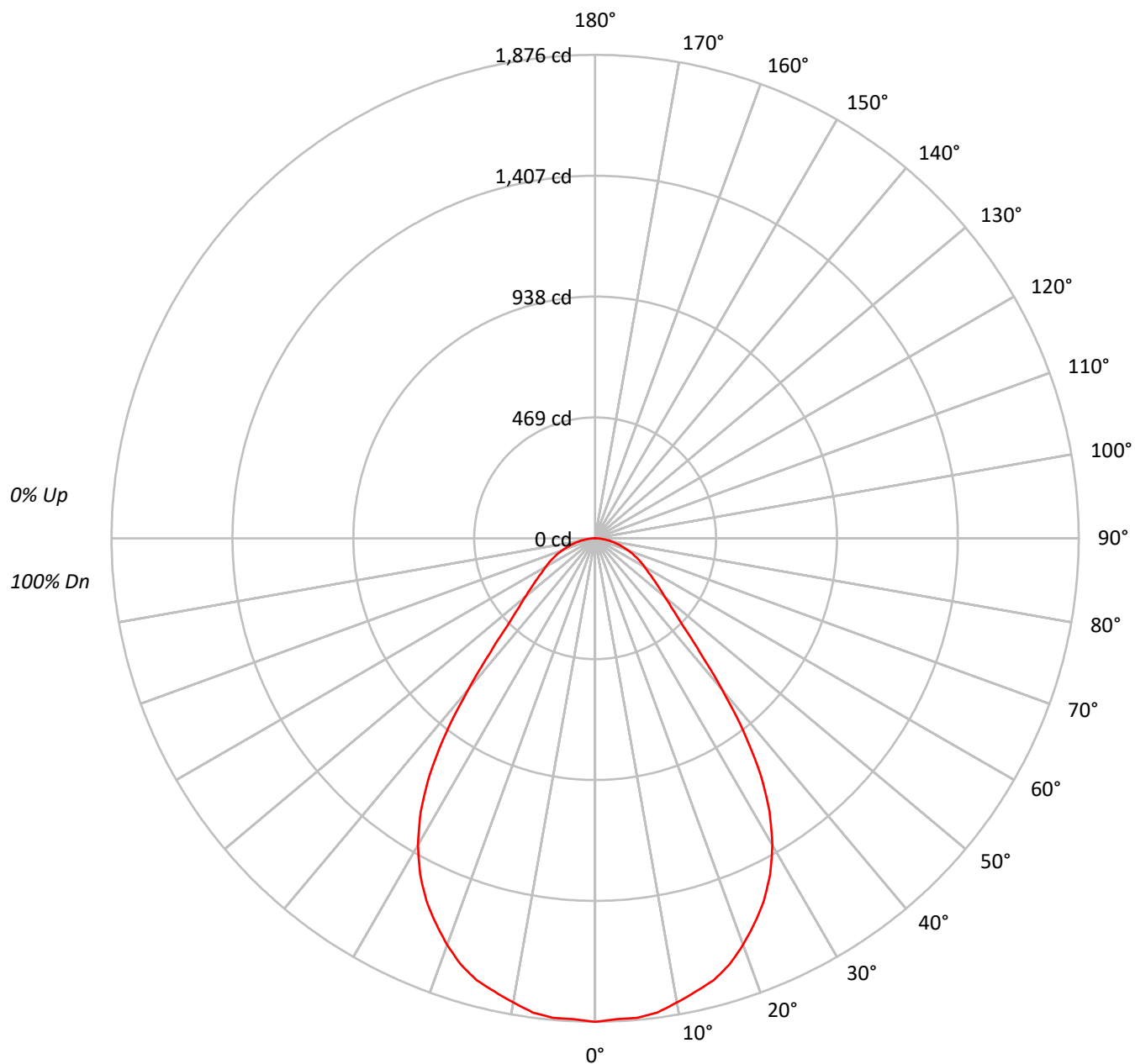
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			94
2	103	97	91	87	101	95	90	86		91	87	84			88	85	82			85
3	96	87	81	76	94	86	80	75		83	78	74			81	76	72			78
4	89	80	72	67	87	78	72	66		76	70	66			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	76	66	59	54		64	58	53			63	57	53			61
7	73	62	54	49	72	61	54	49		60	53	48			58	52	48			57
8	69	57	50	45	68	57	50	45		55	49	44			54	48	44			53
9	65	53	46	41	64	53	46	41		52	45	41			51	45	41			50
10	61	50	43	38	60	49	42	38		48	42	38			47	42	38			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102870
5°	102806
10°	101813
15°	100755
20°	97909
25°	93774
30°	87026
35°	74874
40°	54660
45°	37453
50°	30106
55°	26236
60°	24220
65°	23025
70°	21510
75°	20122
80°	18247
85°	15536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	5.9
10°-20°	498.6	16.5
20°-30°	709.1	23.5
30°-40°	682.7	22.6
40°-50°	392.8	13.0
50°-60°	248.9	8.3
60°-70°	176.2	5.8
70°-80°	100.4	3.3
80°-90°	28.6	0.9
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°	1384.8	45.9
0°-40°	2067.5	68.6
0°-60°	2709.1	89.9
0°-90°	3014.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3014.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1876	
5°	1868	177
15°	1775	499
25°	1550	709
35°	1119	683
45°	483	393
55°	274	249
65°	178	176
75°	95	100
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1876.5
2.5°	1868.2
5°	1868.2
7.5°	1855.8
10°	1829.0
12.5°	1802.2
15°	1775.3
17.5°	1734.0
20°	1678.3
22.5°	1616.3
25°	1550.3
27.5°	1469.8
30°	1374.8
32.5°	1259.3
35°	1118.8
37.5°	947.5
40°	763.8
42.5°	602.8
45°	483.1
47.5°	406.6
50°	353.0
52.5°	309.6
55°	274.5
57.5°	243.6
60°	220.9
62.5°	200.2
65°	177.5
67.5°	156.8
70°	134.2
72.5°	113.5
75°	95.0
77.5°	76.3
80°	57.8
82.5°	41.3
85°	24.7
87.5°	10.3
90°	0.0



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— 0°-180°







(END OF REPORT)