

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: P582156

Luminaire Tested: **HC630D010-HM63040830-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582156
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: HC630D010-HM63040830-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3248.2 lumens
Efficiency: N/A
Efficacy: 116.0 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

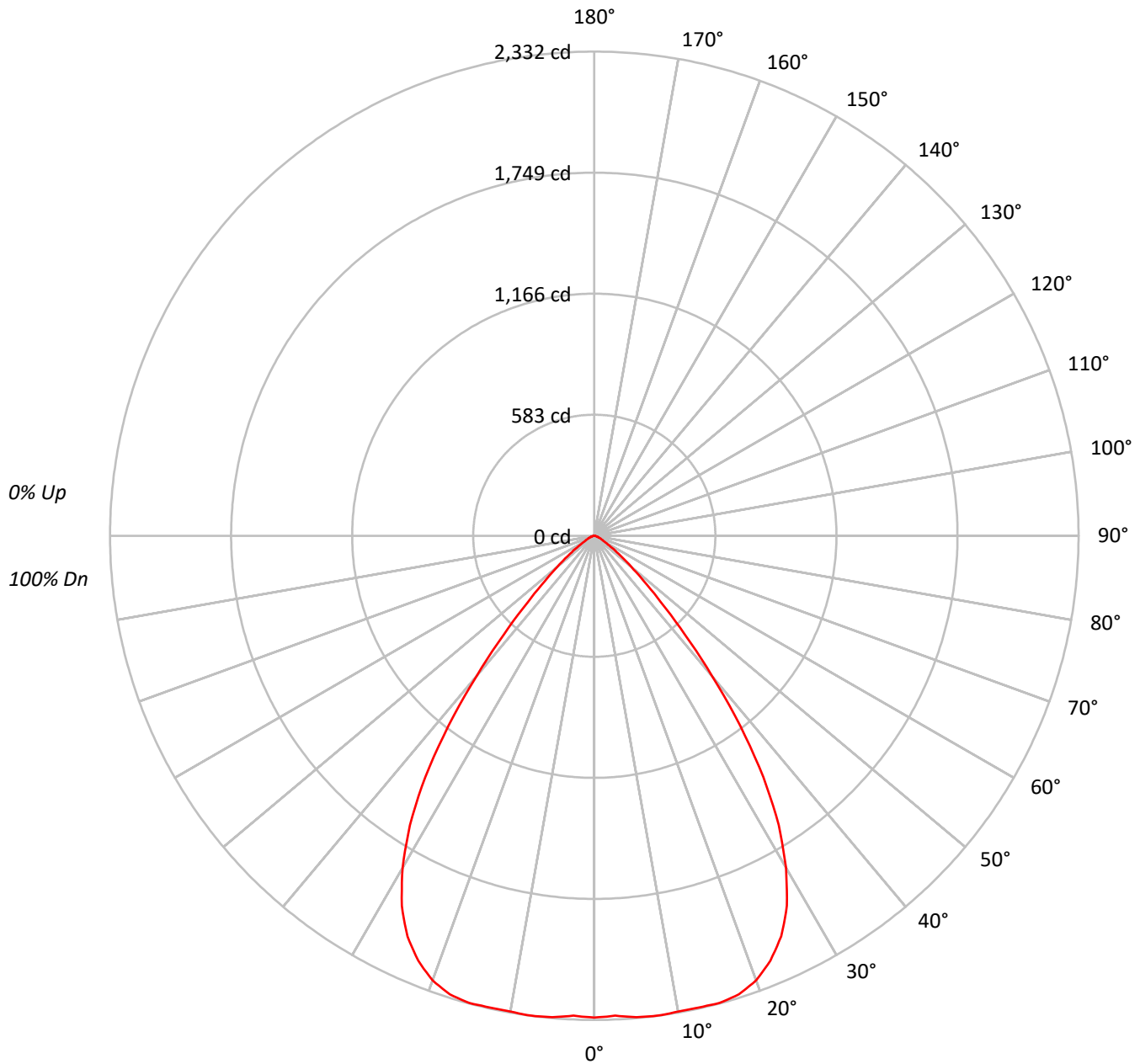
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127216
5°	128059
10°	129540
15°	132203
20°	132942
25°	128802
30°	116847
35°	94997
40°	63061
45°	35097
50°	19684
55°	10924
60°	6019
65°	4566
70°	3158
75°	2309
80°	1389
85°	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.1	6.8
10°-20°	656.8	20.2
20°-30°	968.0	29.8
30°-40°	865.8	26.7
40°-50°	375.6	11.6
50°-60°	110.4	3.4
60°-70°	35.2	1.1
70°-80°	12.4	0.4
80°-90°	1.7	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°	1847.0	56.9
0°-40°	2712.8	83.5
0°-60°	3198.8	98.5
0°-90°	3248.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3248.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2321	
5°	2327	222
15°	2329	657
25°	2129	968
35°	1420	866
45°	453	376
55°	114	110
65°	35	35
75°	11	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2320.6
2.5°	2313.9
5°	2327.1
7.5°	2331.5
10°	2327.1
12.5°	2327.1
15°	2329.4
17.5°	2316.2
20°	2278.8
22.5°	2215.1
25°	2129.4
27.5°	2008.5
30°	1845.9
32.5°	1652.5
35°	1419.5
37.5°	1153.7
40°	881.2
42.5°	643.8
45°	452.7
47.5°	323.1
50°	230.8
52.5°	164.8
55°	114.3
57.5°	76.9
60°	54.9
62.5°	44.0
65°	35.2
67.5°	26.4
70°	19.7
72.5°	15.3
75°	10.9
77.5°	8.8
80°	4.4
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)