

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: P582164

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040835-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3229.6 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

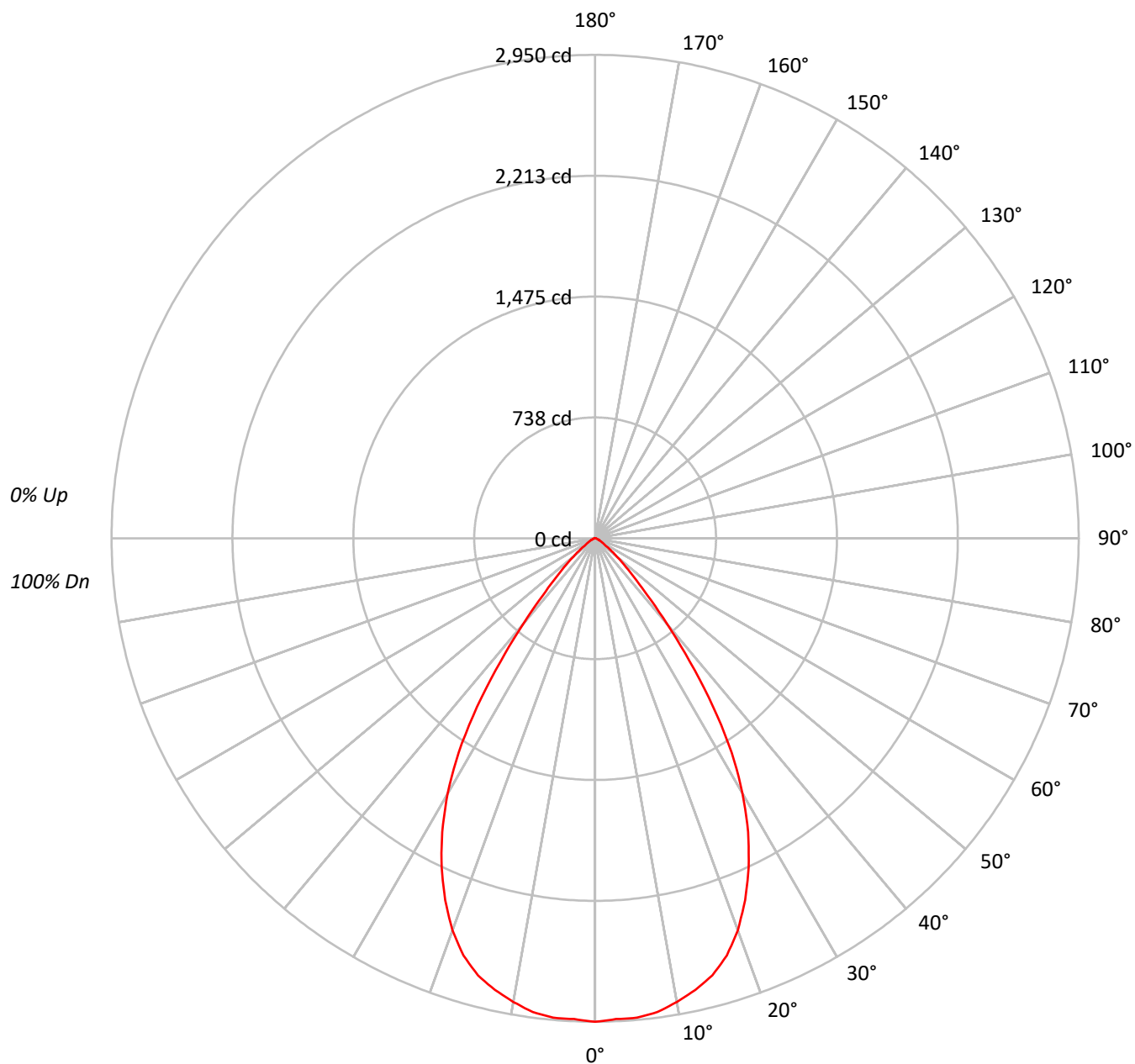
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	94
2	107	102	98	94		105	100	96	93		97	94	91		94	91	89		91	89	87
3	101	94	89	85		99	93	88	84		90	86	83		88	84	81		86	83	80
4	96	88	82	77		94	86	81	77		84	79	76		82	78	75		80	77	74
5	90	81	75	71		89	80	75	70		79	74	70		77	73	69		75	72	68
6	85	76	70	65		84	75	69	65		74	68	64		72	67	64		71	67	63
7	81	71	65	60		79	70	64	60		69	64	60		68	63	59		67	62	59
8	77	67	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	62	56	52		72	62	56	52		61	56	52		60	55	52		59	55	51
10	69	59	53	49		68	58	52	48		57	52	48		57	52	48		56	51	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	161747
5°	161611
10°	159928
15°	156709
20°	148454
25°	134058
30°	113885
35°	84082
40°	48627
45°	25809
50°	14584
55°	7627
60°	5011
65°	3541
70°	2549
75°	1949
80°	1421
85°	1447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.3	8.6
10°-20°	772.3	23.9
20°-30°	1008.0	31.2
30°-40°	770.3	23.9
40°-50°	278.9	8.6
50°-60°	81.0	2.5
60°-70°	29.0	0.9
70°-80°	9.9	0.3
80°-90°	1.9	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°	2058.6	63.7
0°-40°	2828.9	87.6
0°-60°	3188.8	98.7
0°-90°	3229.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3229.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2950	
5°	2937	278
15°	2761	772
25°	2216	1008
35°	1256	770
45°	333	279
55°	80	81
65°	27	29
75°	9	10
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2950.5
2.5°	2936.8
5°	2936.8
7.5°	2916.3
10°	2873.0
12.5°	2822.8
15°	2761.2
17.5°	2670.0
20°	2544.7
22.5°	2389.5
25°	2216.3
27.5°	2020.2
30°	1799.1
32.5°	1550.5
35°	1256.4
37.5°	948.6
40°	679.5
42.5°	469.7
45°	332.9
47.5°	239.5
50°	171.0
52.5°	120.8
55°	79.8
57.5°	57.0
60°	45.7
62.5°	36.5
65°	27.3
67.5°	22.8
70°	15.9
72.5°	11.4
75°	9.2
77.5°	6.9
80°	4.5
82.5°	2.3
85°	2.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)