

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: P582277

Luminaire Tested: **HC635D010-HM63040827-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582277
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: HC635D010-HM63040827-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3444.1 lumens
Efficiency: N/A
Efficacy: 102.2 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

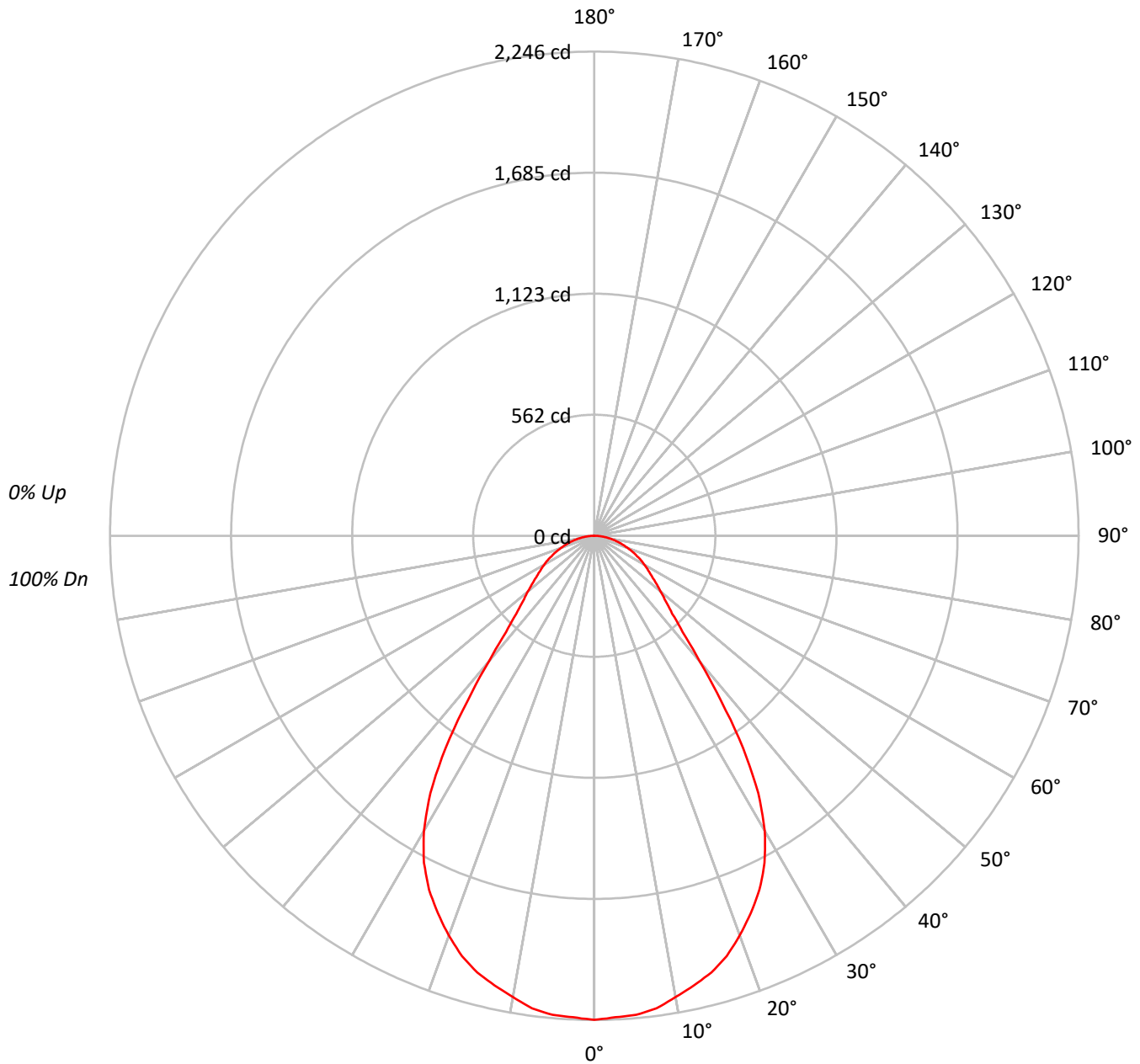
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	123099
5°	122771
10°	120940
15°	119025
20°	115102
25°	109633
30°	100104
35°	80595
40°	54316
45°	39609
50°	34233
55°	30928
60°	29340
65°	27772
70°	26126
75°	24739
80°	23014
85°	21449



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	6.1
10°-20°	588.9	17.1
20°-30°	827.4	24.0
30°-40°	736.5	21.4
40°-50°	411.6	12.0
50°-60°	293.2	8.5
60°-70°	213.4	6.2
70°-80°	123.5	3.6
80°-90°	38.4	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°	1627.5	47.3
0°-40°	2364.0	68.6
0°-60°	3068.9	89.1
0°-90°	3444.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3444.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2246	
5°	2231	211
15°	2097	589
25°	1812	827
35°	1204	737
45°	511	412
55°	324	293
65°	214	213
75°	117	123
85°	34	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2245.5
2.5°	2235.9
5°	2231.0
7.5°	2211.5
10°	2172.6
12.5°	2136.1
15°	2097.2
17.5°	2043.7
20°	1973.0
22.5°	1895.2
25°	1812.5
27.5°	1710.4
30°	1581.4
32.5°	1415.9
35°	1204.3
37.5°	965.8
40°	759.0
42.5°	605.8
45°	510.9
47.5°	447.7
50°	401.4
52.5°	360.0
55°	323.6
57.5°	294.4
60°	267.6
62.5°	243.3
65°	214.1
67.5°	189.8
70°	163.0
72.5°	138.6
75°	116.8
77.5°	94.9
80°	72.9
82.5°	53.6
85°	34.1
87.5°	17.0
90°	0.0



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— 0°-180°







(END OF REPORT)