

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: P583396

Luminaire Tested: **HC607D010-HM60525935-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525935-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 752.7 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

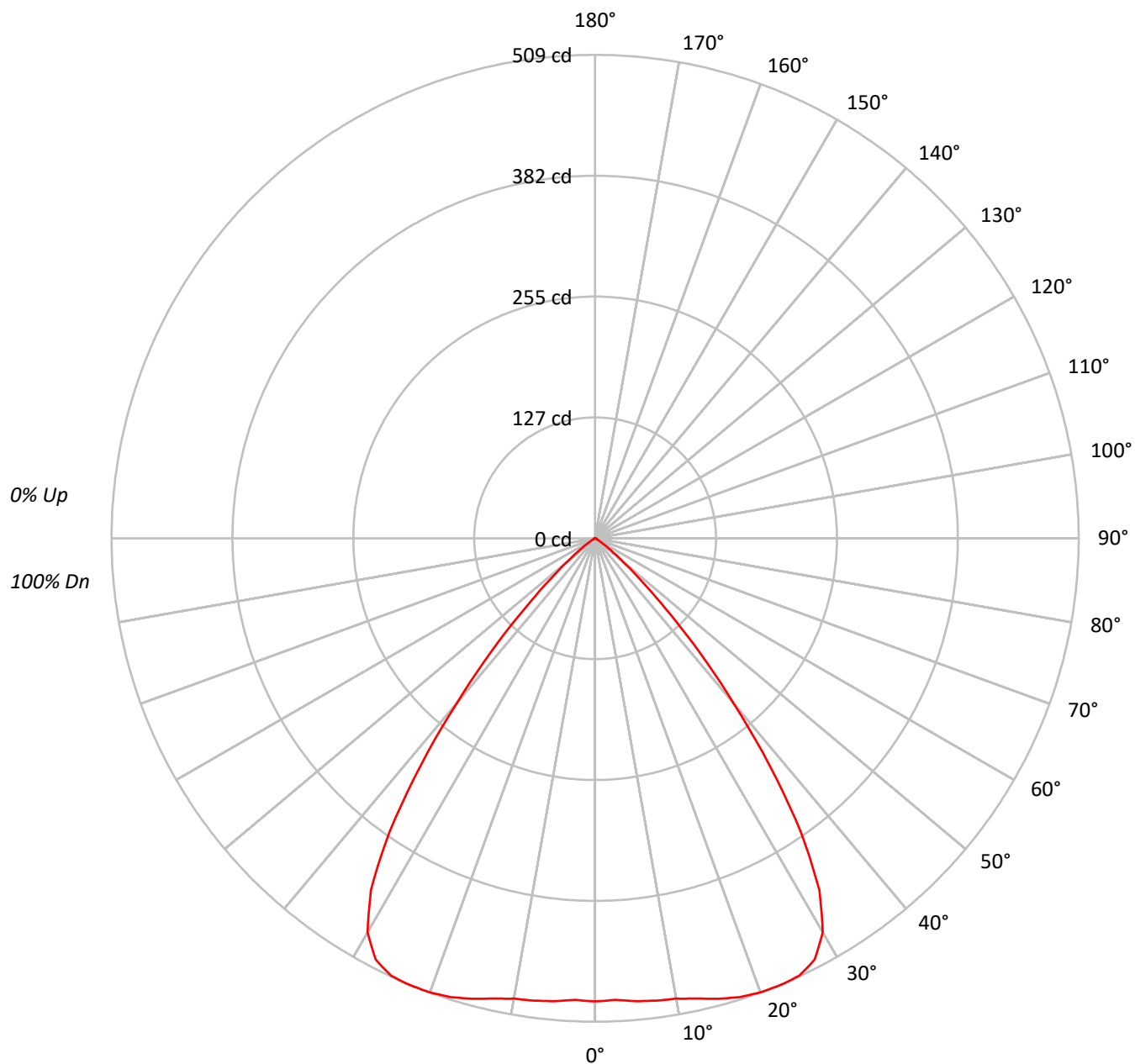
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		104	102	100			100	98	97			97
2	107	101	97	93	104	100	95	92		96	93	90			93	91	88			90
3	100	93	88	83	98	92	87	83		89	85	81			87	83	80			84
4	95	86	80	75	93	85	79	75		83	78	74			81	77	73			79
5	89	80	73	68	87	79	73	68		77	72	67			75	70	67			73
6	84	74	67	62	82	73	67	62		71	66	62			70	65	61			69
7	79	69	62	57	77	68	61	57		66	61	57			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	44			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26730
5°	26926
10°	27399
15°	28485
20°	29677
25°	30740
30°	30327
35°	25270
40°	16202
45°	8086
50°	3207
55°	1090
60°	307
65°	221
70°	176
75°	233
80°	189
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	6.2
10°-20°	142.4	18.9
20°-30°	232.4	30.9
30°-40°	227.9	30.3
40°-50°	87.4	11.6
50°-60°	12.8	1.7
60°-70°	1.9	0.3
70°-80°	1.0	0.1
80°-90°	0.2	0.0
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°	421.6	56.0
0°-40°	649.4	86.3
0°-60°	749.6	99.6
0°-90°	752.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	752.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	488	
5°	489	47
15°	502	142
25°	508	232
35°	378	228
45°	104	87
55°	11	13
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	487.6
2.5°	486.5
5°	489.3
7.5°	491.0
10°	492.2
12.5°	496.3
15°	501.9
17.5°	506.5
20°	508.7
22.5°	509.3
25°	508.2
27.5°	500.2
30°	479.1
32.5°	439.2
35°	377.6
37.5°	301.7
40°	226.4
42.5°	161.5
45°	104.3
47.5°	63.9
50°	37.6
52.5°	21.6
55°	11.4
57.5°	5.1
60°	2.8
62.5°	2.3
65°	1.7
67.5°	1.7
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)