

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: P583144

Luminaire Tested: **HC660D010-HM64560827-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583144
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: HC660D010-HM64560827-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4654.6 lumens
Efficiency: N/A
Efficacy: 84.6 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

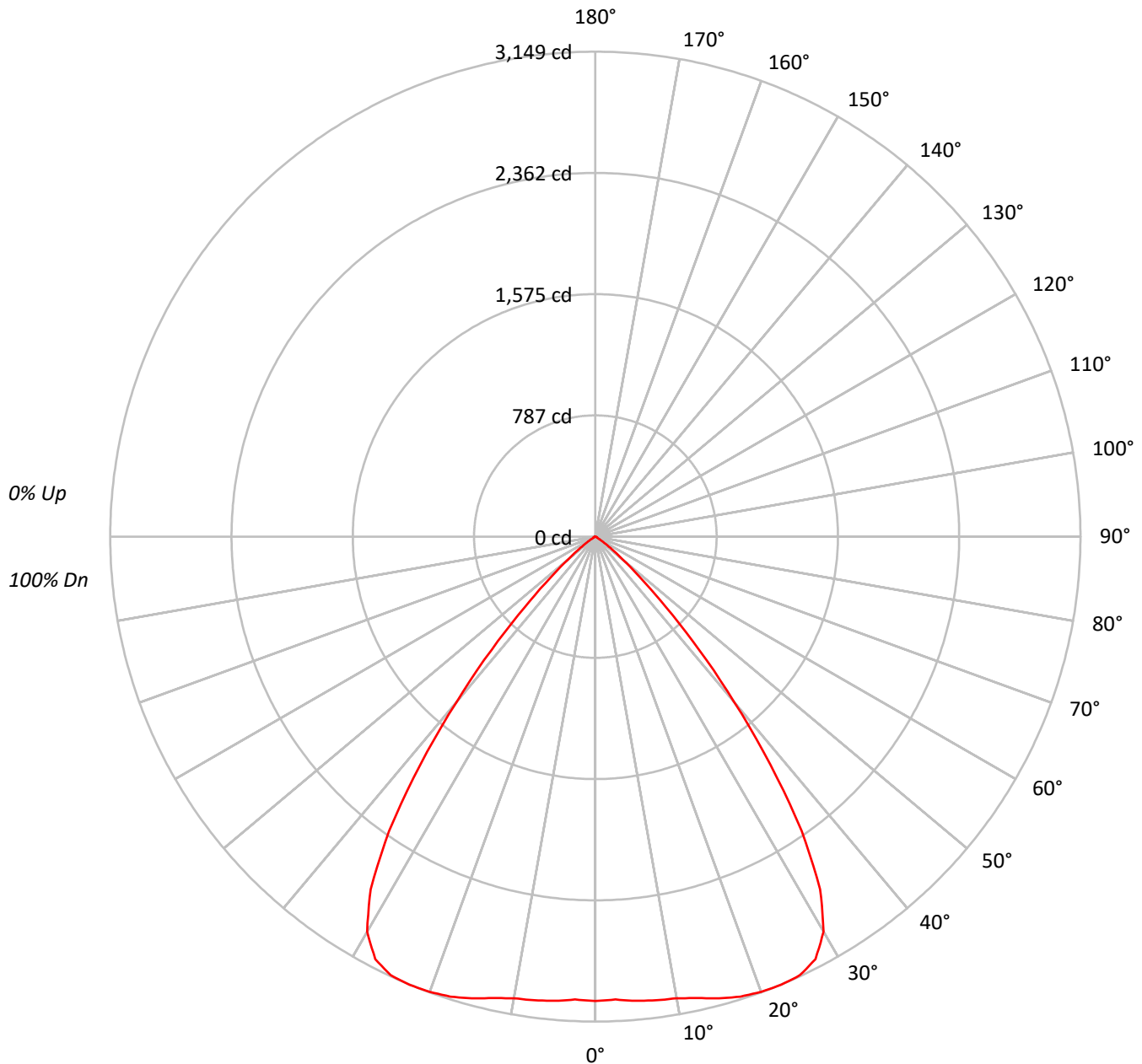
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	68	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	48	45			53	48	44			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165310
5°	166519
10°	169430
15°	176142
20°	183527
25°	190082
30°	187535
35°	156252
40°	100195
45°	50036
50°	19854
55°	6738
60°	1930
65°	1362
70°	1138
75°	1504
80°	1105
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.4	6.2
10°-20°	880.3	18.9
20°-30°	1437.3	30.9
30°-40°	1409.0	30.3
40°-50°	540.2	11.6
50°-60°	79.2	1.7
60°-70°	11.7	0.3
70°-80°	6.1	0.1
80°-90°	1.4	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°	2606.9	56.0
0°-40°	4015.9	86.3
0°-60°	4635.4	99.6
0°-90°	4654.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4654.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3016	
5°	3026	289
15°	3104	880
25°	3142	1437
35°	2335	1409
45°	645	540
55°	70	79
65°	10	12
75°	7	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3015.5
2.5°	3008.4
5°	3026.0
7.5°	3036.7
10°	3043.7
12.5°	3068.4
15°	3103.6
17.5°	3131.8
20°	3145.9
22.5°	3149.4
25°	3142.5
27.5°	3093.0
30°	2962.6
32.5°	2715.7
35°	2334.8
37.5°	1865.7
40°	1400.1
42.5°	998.1
45°	645.4
47.5°	395.0
50°	232.8
52.5°	134.0
55°	70.5
57.5°	31.7
60°	17.6
62.5°	14.1
65°	10.5
67.5°	10.5
70°	7.1
72.5°	7.1
75°	7.1
77.5°	3.5
80°	3.5
82.5°	3.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)