

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: P583141

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583141
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: HC660D010-HM64560827-61PSMDW
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: 4993.1 lumens
Efficiency: N/A
Efficacy: 90.8 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

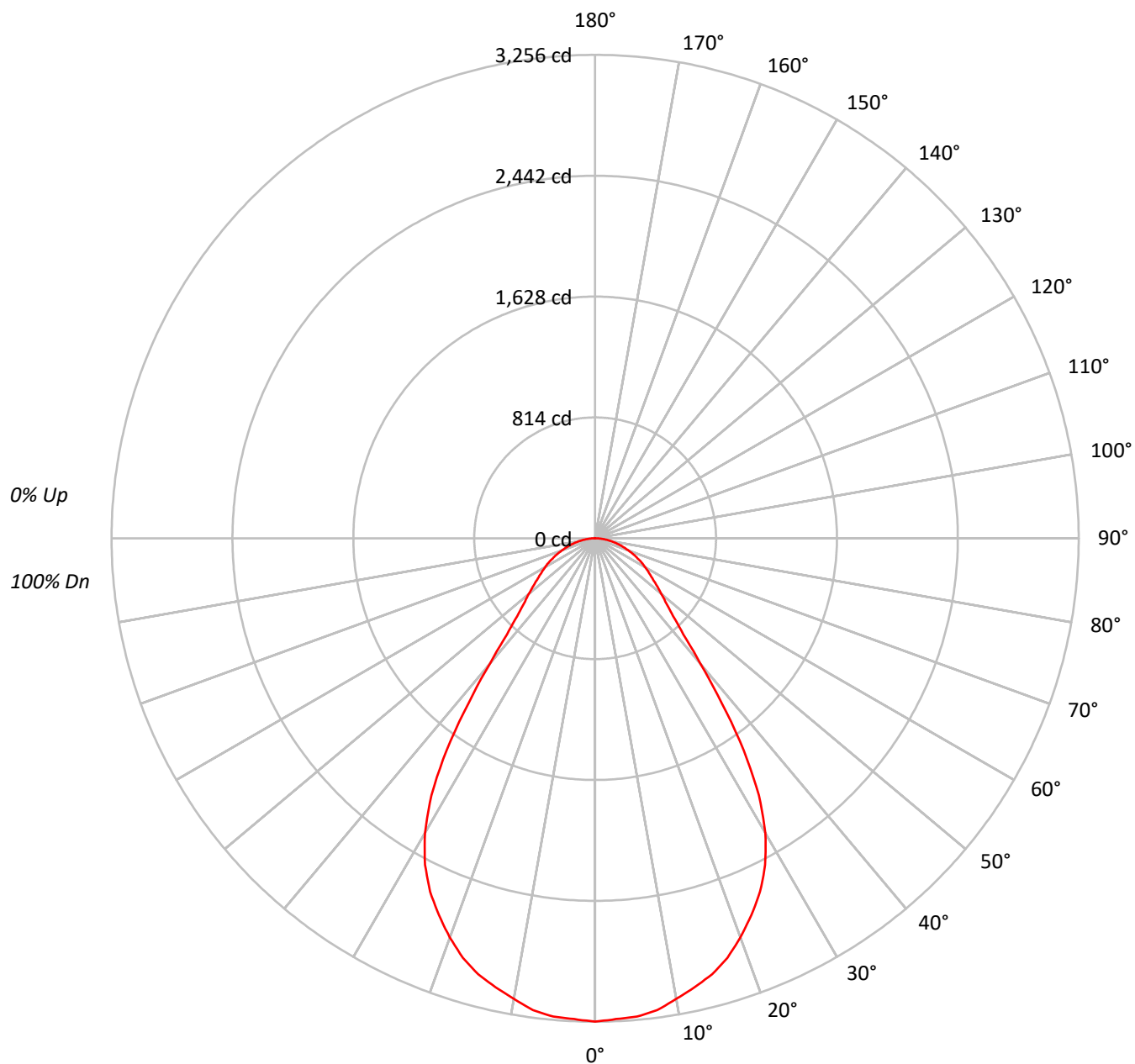
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	178467
5°	177988
10°	175331
15°	172549
20°	166871
25°	158943
30°	145124
35°	116841
40°	78755
45°	57425
50°	49636
55°	44835
60°	42529
65°	40264
70°	37875
75°	35859
80°	33401
85°	31072



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.1	6.1
10°-20°	853.8	17.1
20°-30°	1199.6	24.0
30°-40°	1067.8	21.4
40°-50°	596.7	12.0
50°-60°	425.1	8.5
60°-70°	309.3	6.2
70°-80°	179.1	3.6
80°-90°	55.7	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°	2359.5	47.3
0°-40°	3427.3	68.6
0°-60°	4449.1	89.1
0°-90°	4993.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4993.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3256	
5°	3234	306
15°	3040	854
25°	2628	1200
35°	1746	1068
45°	741	597
55°	469	425
65°	310	309
75°	169	179
85°	49	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3255.5
2.5°	3241.4
5°	3234.4
7.5°	3206.1
10°	3149.7
12.5°	3096.8
15°	3040.3
17.5°	2962.8
20°	2860.4
22.5°	2747.7
25°	2627.7
27.5°	2479.5
30°	2292.6
32.5°	2052.8
35°	1745.9
37.5°	1400.2
40°	1100.5
42.5°	878.2
45°	740.7
47.5°	649.0
50°	582.0
52.5°	522.0
55°	469.1
57.5°	426.7
60°	387.9
62.5°	352.7
65°	310.4
67.5°	275.1
70°	236.3
72.5°	201.1
75°	169.3
77.5°	137.5
80°	105.8
82.5°	77.6
85°	49.4
87.5°	24.7
90°	0.0



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— 0°-180°







(END OF REPORT)