

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: P593189

Luminaire Tested: **HC625D010-HM60525950-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593189
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: HC625D010-HM60525950-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2309.7 lumens
Efficiency: N/A
Efficacy: 86.2 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

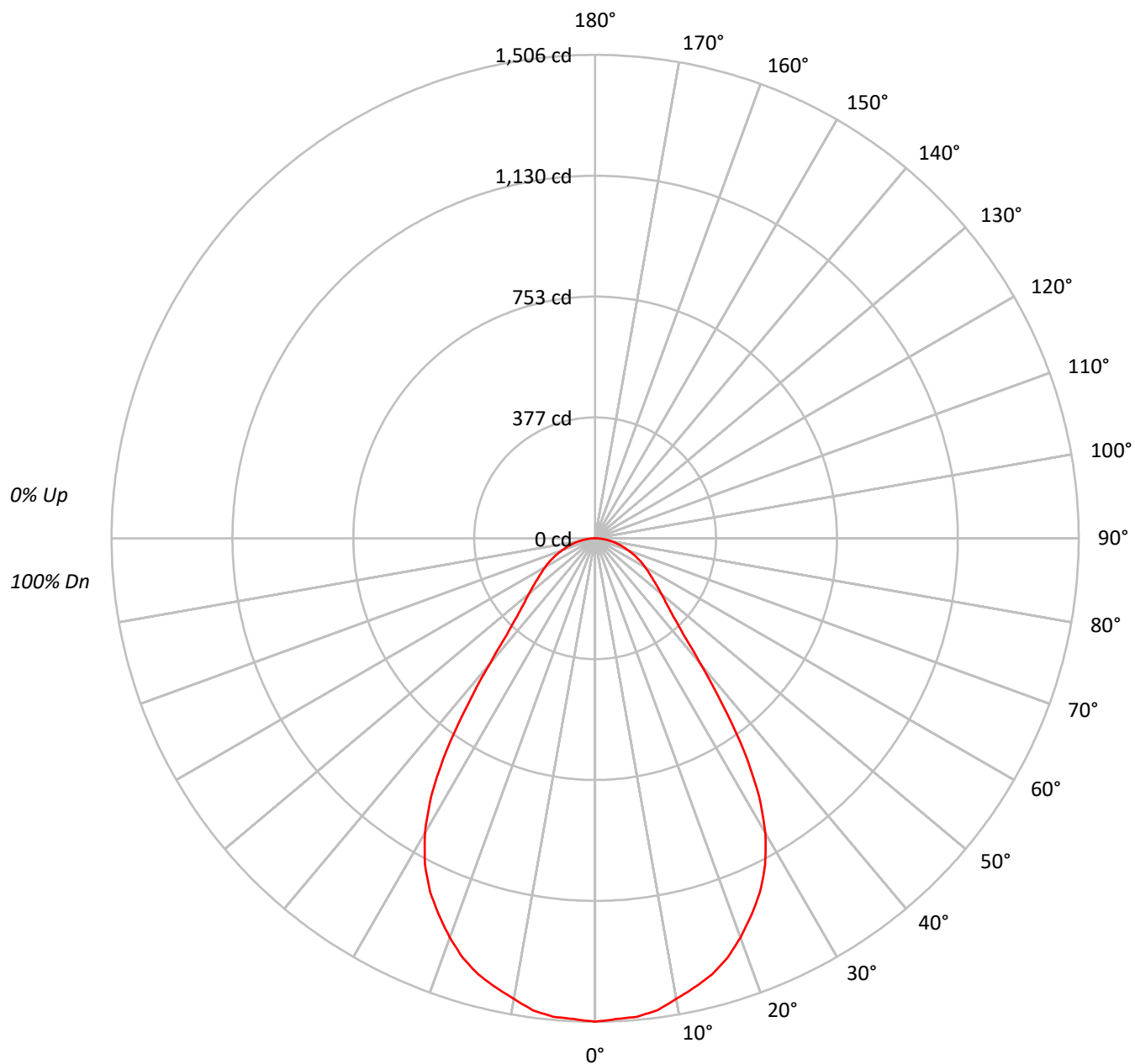
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	82559
5°	82330
10°	81105
15°	79819
20°	77193
25°	73522
30°	67131
35°	54047
40°	36433
45°	26561
50°	22950
55°	20740
60°	19669
65°	18627
70°	17519
75°	16585
80°	15469
85°	14341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	6.1
10°-20°	395.0	17.1
20°-30°	554.9	24.0
30°-40°	493.9	21.4
40°-50°	276.0	12.0
50°-60°	196.7	8.5
60°-70°	143.1	6.2
70°-80°	82.9	3.6
80°-90°	25.7	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°	1091.4	47.3
0°-40°	1585.4	68.6
0°-60°	2058.0	89.1
0°-90°	2309.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2309.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1506	
5°	1496	142
15°	1406	395
25°	1216	555
35°	808	494
45°	343	276
55°	217	197
65°	144	143
75°	78	83
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1506.0
2.5°	1499.3
5°	1496.1
7.5°	1483.1
10°	1457.0
12.5°	1432.6
15°	1406.4
17.5°	1370.5
20°	1323.2
22.5°	1270.9
25°	1215.5
27.5°	1147.0
30°	1060.5
32.5°	949.5
35°	807.6
37.5°	647.7
40°	509.1
42.5°	406.2
45°	342.6
47.5°	300.2
50°	269.1
52.5°	241.5
55°	217.0
57.5°	197.5
60°	179.4
62.5°	163.1
65°	143.6
67.5°	127.3
70°	109.3
72.5°	93.0
75°	78.3
77.5°	63.7
80°	49.0
82.5°	35.8
85°	22.8
87.5°	11.4
90°	0.0



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— 0°-180°







(END OF REPORT)