

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: P582097

Luminaire Tested: **HC625D010-HM60525935-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582097
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-HM60525935-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2281.2 lumens
Efficiency: N/A
Efficacy: 85.1 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

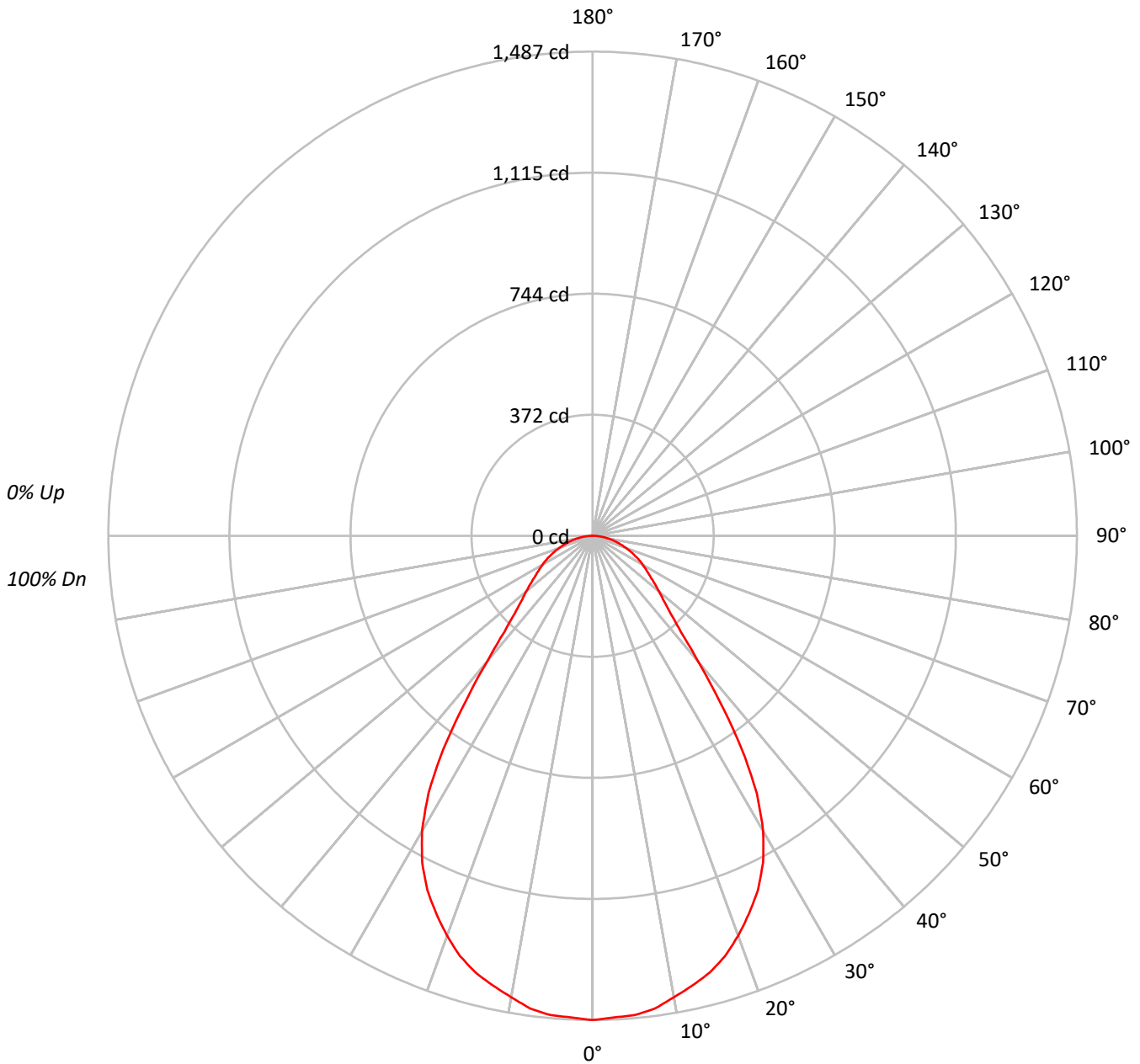
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81534
5°	81317
10°	80098
15°	78831
20°	76242
25°	72615
30°	66301
35°	53385
40°	35975
45°	26235
50°	22677
55°	20482
60°	19439
65°	18394
70°	17311
75°	16373
80°	15280
85°	14215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	6.1
10°-20°	390.1	17.1
20°-30°	548.0	24.0
30°-40°	487.8	21.4
40°-50°	272.6	12.0
50°-60°	194.2	8.5
60°-70°	141.3	6.2
70°-80°	81.8	3.6
80°-90°	25.5	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°	1077.9	47.3
0°-40°	1565.8	68.6
0°-60°	2032.6	89.1
0°-90°	2281.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2281.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1487	
5°	1478	140
15°	1389	390
25°	1200	548
35°	798	488
45°	338	273
55°	214	194
65°	142	141
75°	77	82
85°	23	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1487.3
2.5°	1480.8
5°	1477.7
7.5°	1464.8
10°	1438.9
12.5°	1414.8
15°	1389.0
17.5°	1353.5
20°	1306.9
22.5°	1255.3
25°	1200.5
27.5°	1132.8
30°	1047.4
32.5°	937.9
35°	797.7
37.5°	639.7
40°	502.7
42.5°	401.2
45°	338.4
47.5°	296.5
50°	265.9
52.5°	238.4
55°	214.3
57.5°	195.0
60°	177.3
62.5°	161.1
65°	141.8
67.5°	125.7
70°	108.0
72.5°	91.8
75°	77.3
77.5°	62.9
80°	48.4
82.5°	35.5
85°	22.6
87.5°	11.3
90°	0.0



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— 0°-180°







(END OF REPORT)