

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: P583392

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525935-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 776.1 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

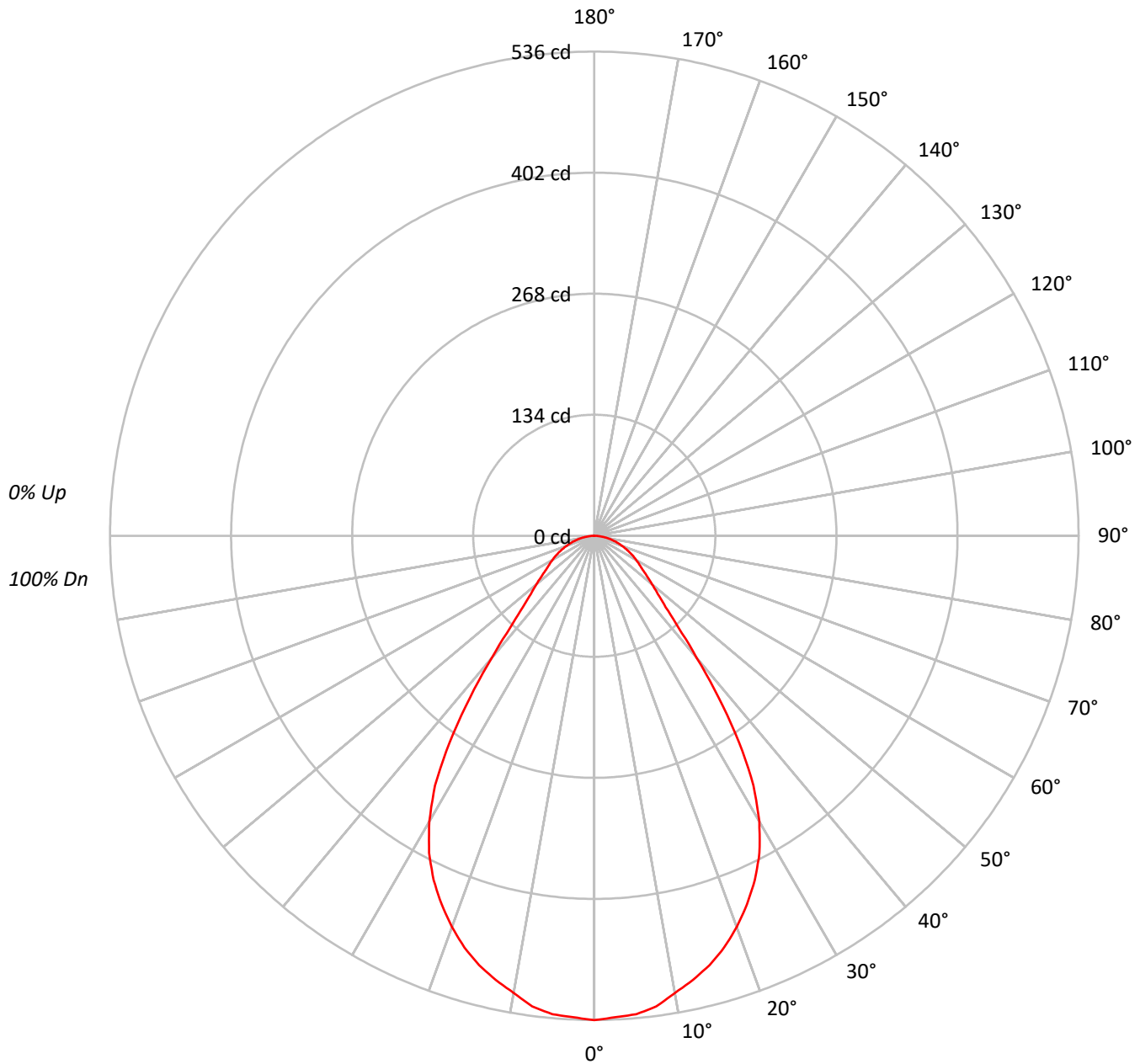
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	83		86	83	81
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	56	50		73	62	55	50		61	55	50		60	54	50		58	53	49
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		54	49	46
9	66	55	48	43		65	54	47	43		53	47	42		52	46	42		51	46	42
10	63	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29395
5°	29259
10°	28607
15°	27940
20°	26888
25°	25435
30°	23111
35°	18705
40°	12616
45°	8668
50°	7104
55°	6212
60°	5877
65°	5552
70°	5209
75°	4935
80°	4514
85°	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	6.5
10°-20°	138.2	17.8
20°-30°	192.1	24.7
30°-40°	171.0	22.0
40°-50°	90.8	11.7
50°-60°	59.4	7.7
60°-70°	42.5	5.5
70°-80°	24.7	3.2
80°-90°	7.2	0.9
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°	380.5	49.0
0°-40°	551.5	71.1
0°-60°	701.7	90.4
0°-90°	776.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	536	
5°	532	50
15°	492	138
25°	420	192
35°	280	171
45°	112	91
55°	65	59
65°	43	43
75°	23	25
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	536.2
2.5°	533.4
5°	531.7
7.5°	525.4
10°	513.9
12.5°	503.7
15°	492.3
17.5°	478.0
20°	460.9
22.5°	441.5
25°	420.5
27.5°	395.9
30°	365.1
32.5°	328.0
35°	279.5
37.5°	225.9
40°	176.3
42.5°	136.9
45°	111.8
47.5°	95.3
50°	83.3
52.5°	73.6
55°	65.0
57.5°	58.8
60°	53.6
62.5°	48.5
65°	42.8
67.5°	37.6
70°	32.5
72.5°	28.0
75°	23.3
77.5°	18.8
80°	14.3
82.5°	10.3
85°	6.2
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)