

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: P583284

Luminaire Tested: **HC607D010-HM60525827-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583284
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-HM60525827-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 799.6 lumens
Efficiency: N/A
Efficacy: 100.0 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

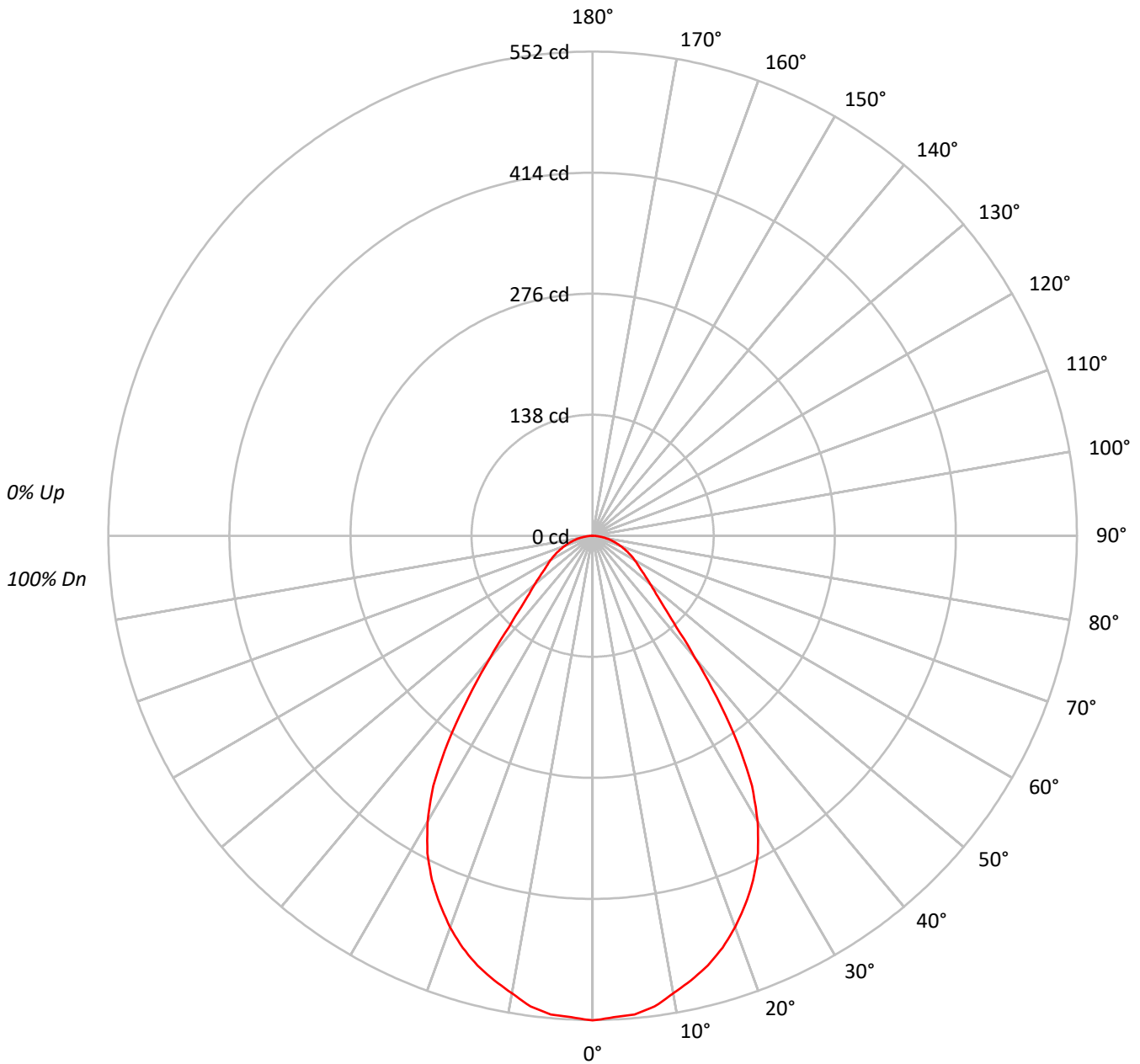
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583284

CATALOG NUMBER: HC607D010-HM60525827-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P583284

CATALOG NUMBER: HC607D010-HM60525827-61NDW

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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30288
5°	30145
10°	29481
15°	28786
20°	27711
25°	26197
30°	23814
35°	19274
40°	12996
45°	8931
50°	7317
55°	6404
60°	6063
65°	5720
70°	5369
75°	5105
80°	4641
85°	4088



TEST NUMBER: P583284

CATALOG NUMBER: HC607D010-HM60525827-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	6.5
10°-20°	142.4	17.8
20°-30°	197.9	24.7
30°-40°	176.2	22.0
40°-50°	93.5	11.7
50°-60°	61.2	7.6
60°-70°	43.8	5.5
70°-80°	25.4	3.2
80°-90°	7.4	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°	392.1	49.0
0°-40°	568.3	71.1
0°-60°	722.9	90.4
0°-90°	799.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	552	
5°	548	52
15°	507	142
25°	433	198
35°	288	176
45°	115	94
55°	67	61
65°	44	44
75°	24	25
85°	6	7
90°	0	



TEST NUMBER: P583284

CATALOG NUMBER: HC607D010-HM60525827-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	552.5
2.5°	549.5
5°	547.8
7.5°	541.3
10°	529.6
12.5°	519.0
15°	507.2
17.5°	492.5
20°	475.0
22.5°	454.9
25°	433.1
27.5°	407.9
30°	376.2
32.5°	338.0
35°	288.0
37.5°	232.7
40°	181.6
42.5°	141.1
45°	115.2
47.5°	98.1
50°	85.8
52.5°	75.8
55°	67.0
57.5°	60.5
60°	55.3
62.5°	50.0
65°	44.1
67.5°	38.7
70°	33.5
72.5°	28.8
75°	24.1
77.5°	19.4
80°	14.7
82.5°	10.5
85°	6.5
87.5°	2.9
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)