

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: P583355

Luminaire Tested: **HC607D010-HM60525927-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525927-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 720.5 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

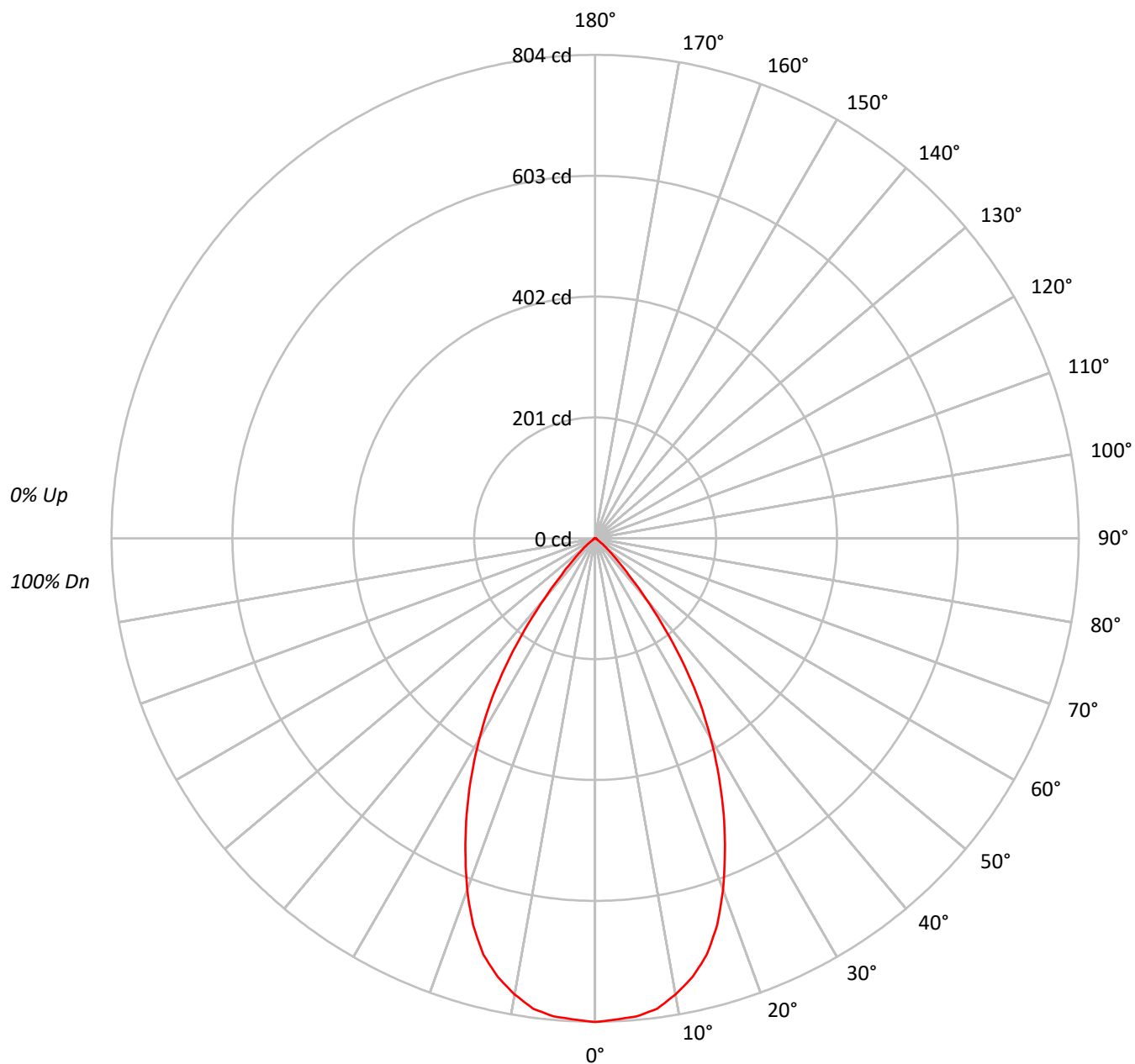
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583355

CATALOG NUMBER: HC607D010-HM60525927-61NDH

Luminous Intensity Polar Plot





TEST NUMBER: P583355

CATALOG NUMBER: HC607D010-HM60525927-61NDH

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93		
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75		
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70		
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61		
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57		
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54		
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44103
5°	43919
10°	42879
15°	40704
20°	36281
25°	30558
30°	24352
35°	17373
40°	9339
45°	4008
50°	1817
55°	659
60°	318
65°	259
70°	240
75°	106
80°	158
85°	0



TEST NUMBER: P583355

CATALOG NUMBER: HC607D010-HM60525927-61NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	10.5
10°-20°	198.8	27.6
20°-30°	230.2	32.0
30°-40°	159.2	22.1
40°-50°	46.0	6.4
50°-60°	7.9	1.1
60°-70°	2.0	0.3
70°-80°	0.8	0.1
80°-90°	0.2	0.0
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°	504.4	70.0
0°-40°	663.6	92.1
0°-60°	717.5	99.6
0°-90°	720.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	720.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	804	
5°	798	75
15°	717	199
25°	505	230
35°	260	159
45°	52	46
55°	7	8
65°	2	2
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P583355

CATALOG NUMBER: HC607D010-HM60525927-61NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	804.5
2.5°	801.0
5°	798.1
7.5°	789.1
10°	770.3
12.5°	747.4
15°	717.2
17.5°	674.5
20°	621.9
22.5°	563.8
25°	505.2
27.5°	445.2
30°	384.7
32.5°	324.2
35°	259.6
37.5°	192.6
40°	130.5
42.5°	82.4
45°	51.7
47.5°	33.2
50°	21.3
52.5°	12.9
55°	6.9
57.5°	4.0
60°	2.9
62.5°	2.5
65°	2.0
67.5°	1.5
70°	1.5
72.5°	1.0
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)