

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: P582059

Luminaire Tested: **HC625D010-HM60525927-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582059
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: HC625D010-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: 2035.5 lumens
Efficiency: N/A
Efficacy: 76.0 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

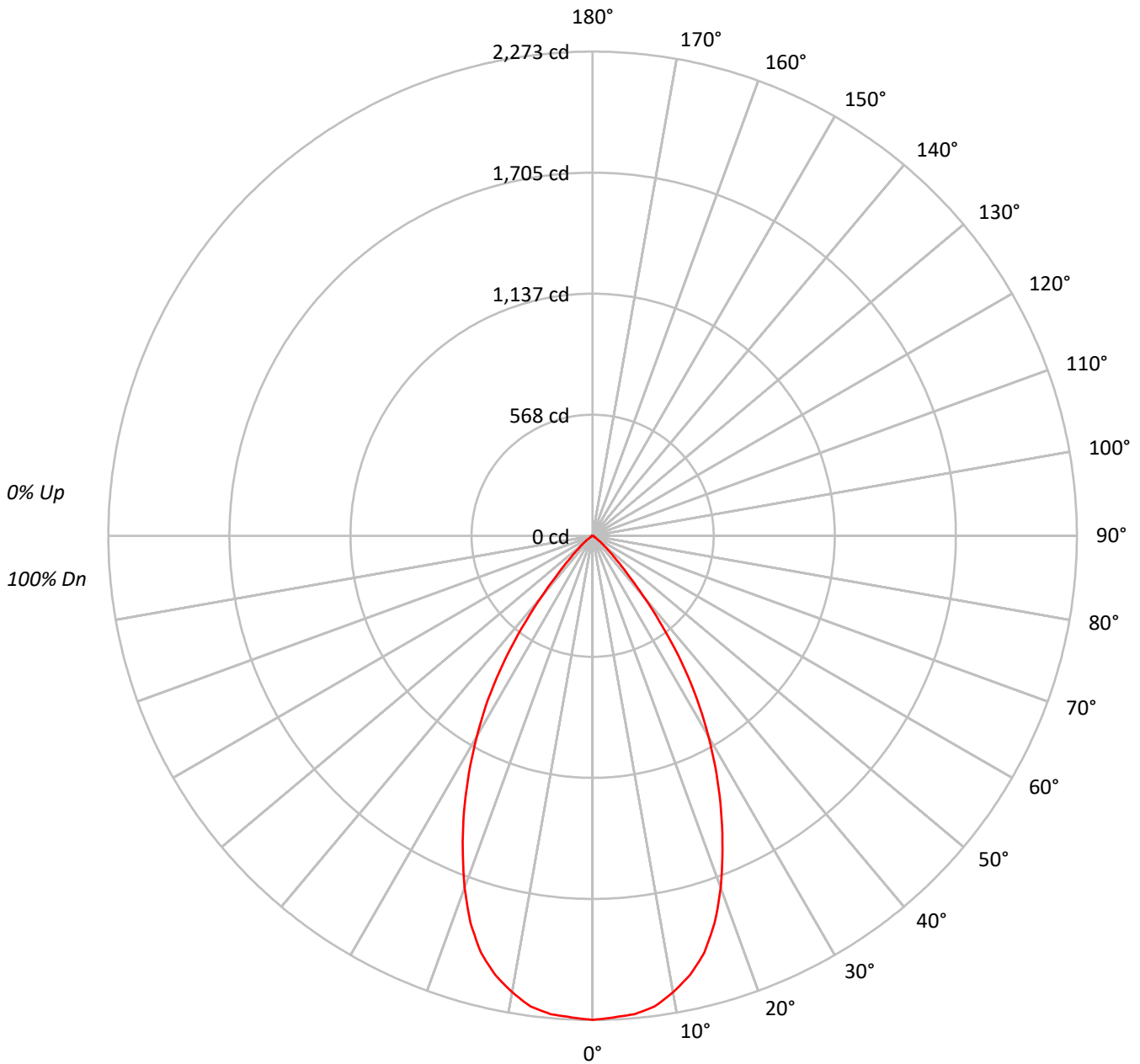
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582059

CATALOG NUMBER: HC625D010-HM60525927-61NDH

Luminous Intensity Polar Plot





TEST NUMBER: P582059

CATALOG NUMBER: HC625D010-HM60525927-61NDH

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	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	77	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°	124595
5°	124064
10°	121134
15°	114989
20°	102489
25°	86334
30°	68783
35°	49075
40°	26392
45°	11303
50°	5143
55°	1883
60°	921
65°	726
70°	689
75°	297
80°	442
85°	0



TEST NUMBER: P582059

CATALOG NUMBER: HC625D010-HM60525927-61NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.8	10.5
10°-20°	561.6	27.6
20°-30°	650.4	32.0
30°-40°	449.8	22.1
40°-50°	129.9	6.4
50°-60°	22.4	1.1
60°-70°	5.7	0.3
70°-80°	2.2	0.1
80°-90°	0.6	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°	1424.9	70.0
0°-40°	1874.7	92.1
0°-60°	2027.0	99.6
0°-90°	2035.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2035.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2273	
5°	2254	213
15°	2026	562
25°	1427	650
35°	733	450
45°	146	130
55°	20	22
65°	6	6
75°	1	2
85°	0	1
90°	0	



TEST NUMBER: P582059

CATALOG NUMBER: HC625D010-HM60525927-61NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2272.8
2.5°	2263.0
5°	2254.5
7.5°	2229.3
10°	2176.1
12.5°	2111.6
15°	2026.1
17.5°	1905.4
20°	1756.8
22.5°	1592.8
25°	1427.3
27.5°	1257.6
30°	1086.6
32.5°	915.6
35°	733.3
37.5°	544.1
40°	368.8
42.5°	232.8
45°	145.8
47.5°	94.0
50°	60.3
52.5°	36.5
55°	19.7
57.5°	11.3
60°	8.4
62.5°	7.0
65°	5.6
67.5°	4.3
70°	4.3
72.5°	2.8
75°	1.4
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)