

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: P582280

Luminaire Tested: **HC635D010-HM63040827-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC635D010-HM63040827-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3210.8 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

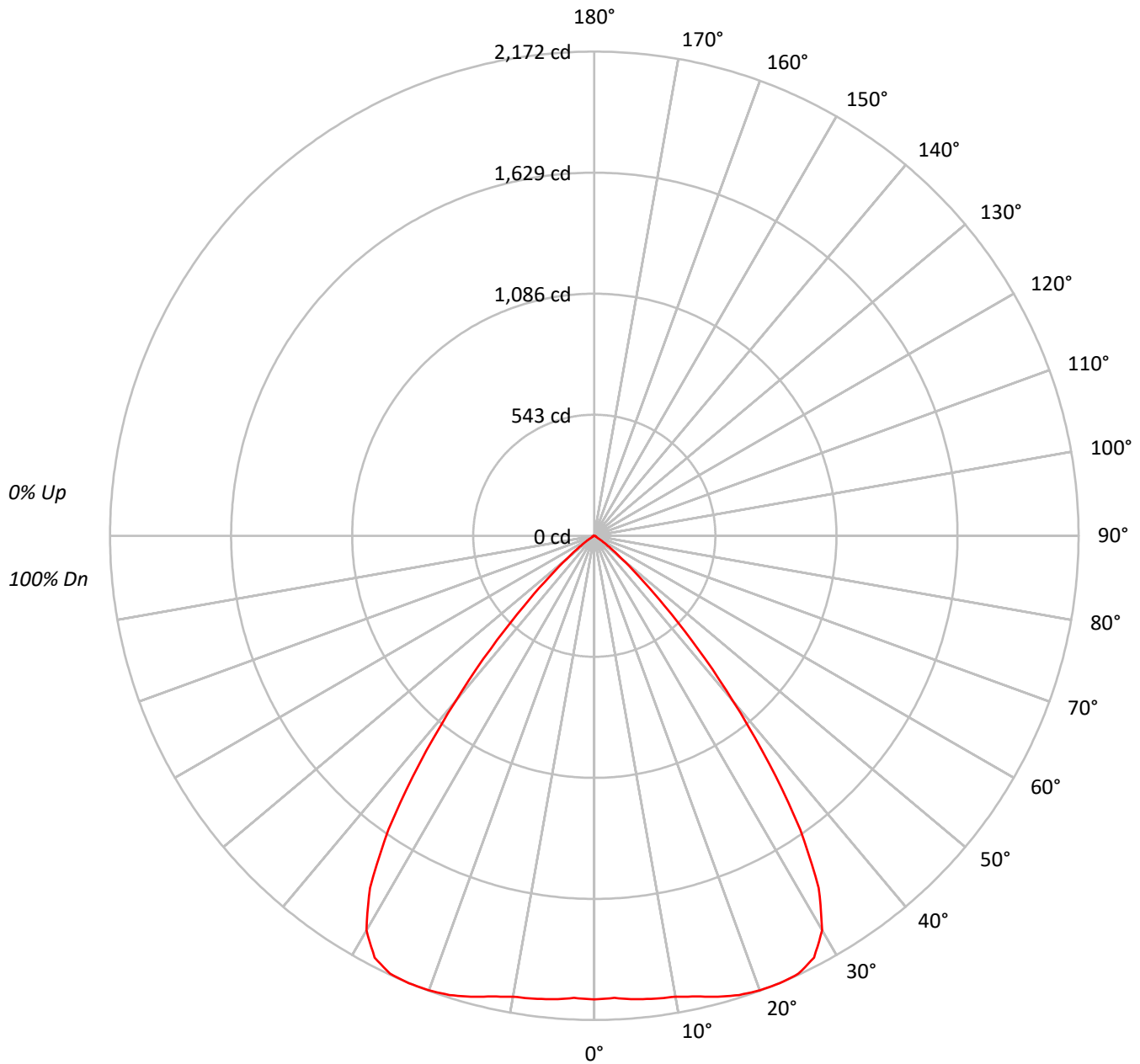
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582280

CATALOG NUMBER: HC635D010-HM63040827-61WDBB

Luminous Intensity Polar Plot





TEST NUMBER: P582280

CATALOG NUMBER: HC635D010-HM63040827-61WDBB

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		97
2	107	101	97	93	104	100	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		84
4	95	86	80	75	93	85	79	75	83	78	74		81	77	73		79
5	89	80	73	68	87	79	73	68	77	72	67		75	70	67		73
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	59	53	48	69	59	53	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	48	45		53	48	44		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114020
5°	114863
10°	116865
15°	121505
20°	126594
25°	131112
30°	129355
35°	107780
40°	69115
45°	34515
50°	13697
55°	4655
60°	1327
65°	960
70°	785
75°	1038
80°	789
85°	0



TEST NUMBER: P582280

CATALOG NUMBER: HC635D010-HM63040827-61WDBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	6.2
10°-20°	607.2	18.9
20°-30°	991.4	30.9
30°-40°	971.9	30.3
40°-50°	372.6	11.6
50°-60°	54.7	1.7
60°-70°	8.1	0.3
70°-80°	4.2	0.1
80°-90°	1.0	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°	1798.2	56.0
0°-40°	2770.1	86.3
0°-60°	3197.4	99.6
0°-90°	3210.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3210.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2080	
5°	2087	200
15°	2141	607
25°	2168	991
35°	1610	972
45°	445	373
55°	49	55
65°	7	8
75°	5	4
85°	0	1
90°	0	



TEST NUMBER: P582280

CATALOG NUMBER: HC635D010-HM63040827-61WDBB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2079.9
2.5°	2075.2
5°	2087.3
7.5°	2094.5
10°	2099.4
12.5°	2116.5
15°	2140.9
17.5°	2160.2
20°	2170.0
22.5°	2172.5
25°	2167.6
27.5°	2133.5
30°	2043.5
32.5°	1873.2
35°	1610.5
37.5°	1287.0
40°	965.8
42.5°	688.4
45°	445.2
47.5°	272.5
50°	160.6
52.5°	92.4
55°	48.7
57.5°	21.9
60°	12.1
62.5°	9.7
65°	7.4
67.5°	7.4
70°	4.9
72.5°	4.9
75°	4.9
77.5°	2.5
80°	2.5
82.5°	2.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)