

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: P582136

Luminaire Tested: **HC630D010-HM63040827-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582136
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: HC630D010-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: 2702.2 lumens
Efficiency: N/A
Efficacy: 96.5 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

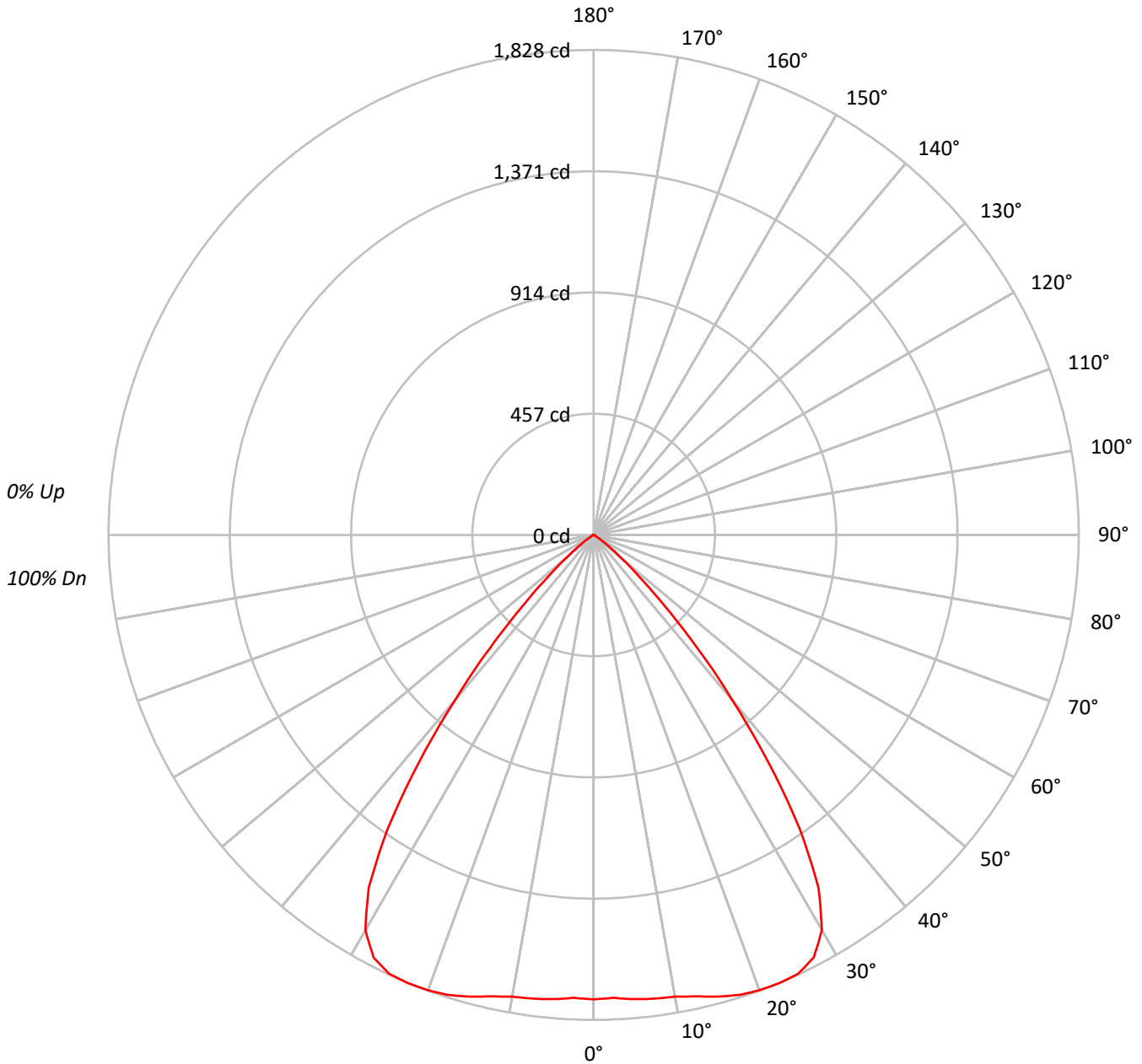
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582136

CATALOG NUMBER: HC630D010-HM63040827-61WDBB

Luminous Intensity Polar Plot





TEST NUMBER: P582136

CATALOG NUMBER: HC630D010-HM63040827-61WDBB

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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	101	97	93	104	100	95	92	96	93	90	93	91	88	90	88	86	85	85	85	85
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77	77	77	77
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71	71	71	71
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65	65	65	65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59	59	59	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54	54	54	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	44	53	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95974
5°	96670
10°	98362
15°	102259
20°	106549
25°	110353
30°	108871
35°	90714
40°	58173
45°	29050
50°	11531
55°	3909
60°	1118
65°	804
70°	641
75°	847
80°	631
85°	0



TEST NUMBER: P582136

CATALOG NUMBER: HC630D010-HM63040827-61WDBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.0	6.2
10°-20°	511.0	18.9
20°-30°	834.4	30.9
30°-40°	818.0	30.3
40°-50°	313.6	11.6
50°-60°	46.0	1.7
60°-70°	6.8	0.3
70°-80°	3.4	0.1
80°-90°	0.8	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°	1513.5	56.0
0°-40°	2331.5	86.3
0°-60°	2691.1	99.6
0°-90°	2702.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2702.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1751	
5°	1757	168
15°	1802	511
25°	1824	834
35°	1356	818
45°	375	314
55°	41	46
65°	6	7
75°	4	3
85°	0	1
90°	0	



TEST NUMBER: P582136

CATALOG NUMBER: HC630D010-HM63040827-61WDBB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1750.7
2.5°	1746.5
5°	1756.7
7.5°	1762.9
10°	1767.0
12.5°	1781.4
15°	1801.8
17.5°	1818.2
20°	1826.4
22.5°	1828.4
25°	1824.4
27.5°	1795.6
30°	1719.9
32.5°	1576.6
35°	1355.5
37.5°	1083.2
40°	812.9
42.5°	579.4
45°	374.7
47.5°	229.4
50°	135.2
52.5°	77.8
55°	40.9
57.5°	18.4
60°	10.2
62.5°	8.2
65°	6.2
67.5°	6.2
70°	4.0
72.5°	4.0
75°	4.0
77.5°	2.0
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)