

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: P581788

Luminaire Tested: **HC615D010-HM60525930-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525930-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1392.1 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

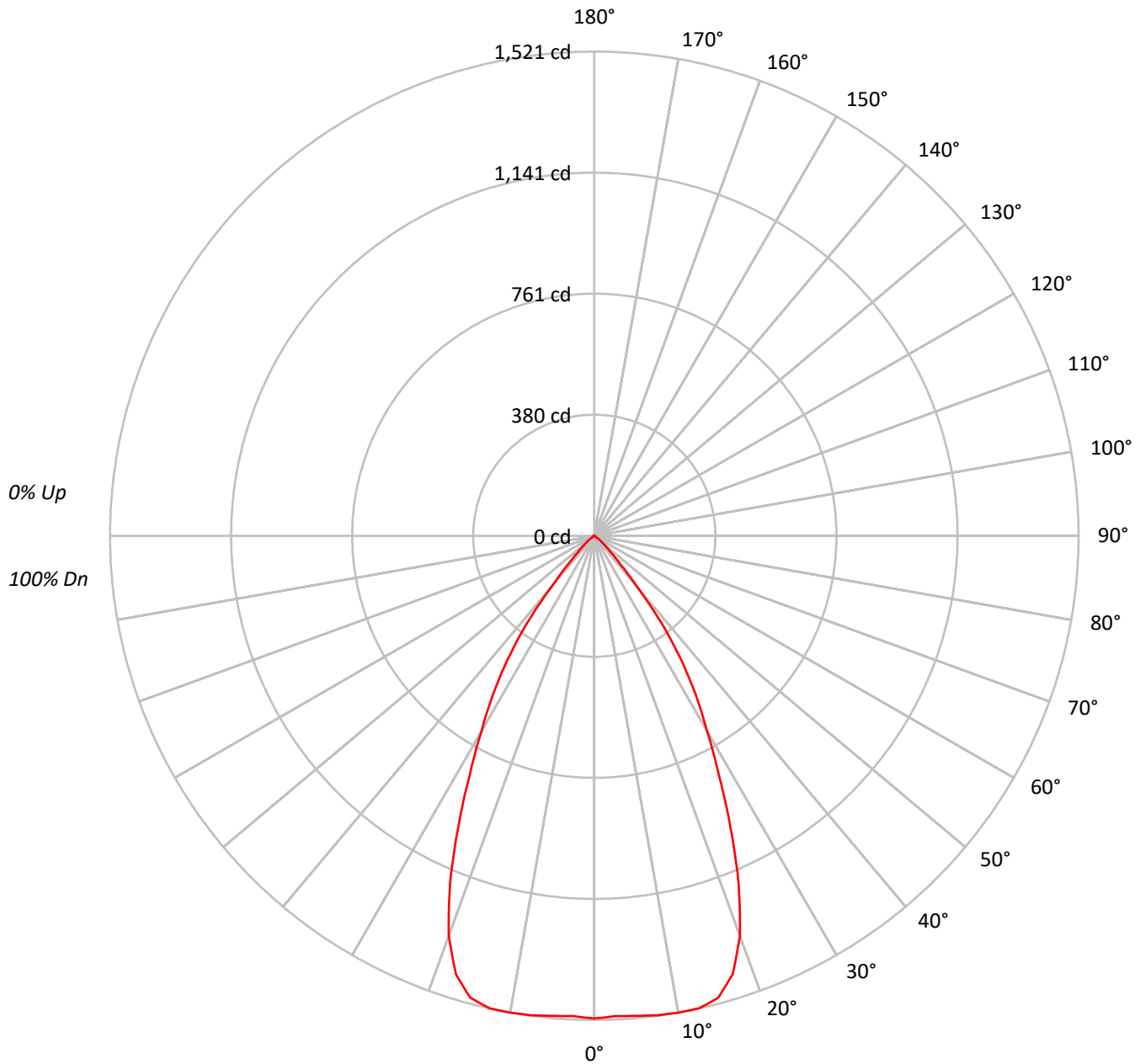
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	114	111	108	106	111	109	107	105		105	103	101			101	100	98			98
2	108	103	99	96	106	102	98	95		98	96	93			96	93	91			93
3	103	97	92	88	101	95	91	87		93	89	86			90	87	84			88
4	98	90	85	81	96	89	84	80		87	83	79			85	81	79			83
5	93	85	79	75	91	84	79	75		82	77	74			80	76	73			79
6	88	80	74	70	87	79	73	69		77	73	69			76	72	68			75
7	84	75	69	65	83	74	69	65		73	68	64			72	67	64			71
8	80	71	65	61	79	70	65	61		69	64	60			68	64	60			67
9	76	67	61	57	75	66	61	57		65	60	57			65	60	57			64
10	73	63	58	54	72	63	57	54		62	57	54			61	57	53			61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83140
5°	83309
10°	84673
15°	85296
20°	77969
25°	61268
30°	44849
35°	31809
40°	15042
45°	5737
50°	2576
55°	698
60°	296
65°	233
70°	144
75°	191
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	10.4
10°-20°	415.4	29.8
20°-30°	462.0	33.2
30°-40°	288.6	20.7
40°-50°	68.6	4.9
50°-60°	9.8	0.7
60°-70°	2.0	0.1
70°-80°	0.8	0.1
80°-90°	0.0	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°	1022.2	73.4
0°-40°	1310.9	94.2
0°-60°	1389.2	99.8
0°-90°	1392.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1392.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1517	
5°	1514	145
15°	1503	415
25°	1013	462
35°	475	289
45°	74	69
55°	7	10
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1516.6
2.5°	1510.2
5°	1513.9
7.5°	1519.3
10°	1521.1
12.5°	1520.2
15°	1502.9
17.5°	1444.4
20°	1336.5
22.5°	1184.7
25°	1012.9
27.5°	848.3
30°	708.5
32.5°	592.4
35°	475.3
37.5°	349.2
40°	210.2
42.5°	121.6
45°	74.0
47.5°	47.6
50°	30.2
52.5°	17.4
55°	7.3
57.5°	3.6
60°	2.7
62.5°	2.7
65°	1.8
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)