

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

Report Number: P189771

Luminaire Tested: **ML5612D2W- 592H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P189771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27309)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ML5612D2W- 592H
Description: 5" D2W DIMMED TO 3000K, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

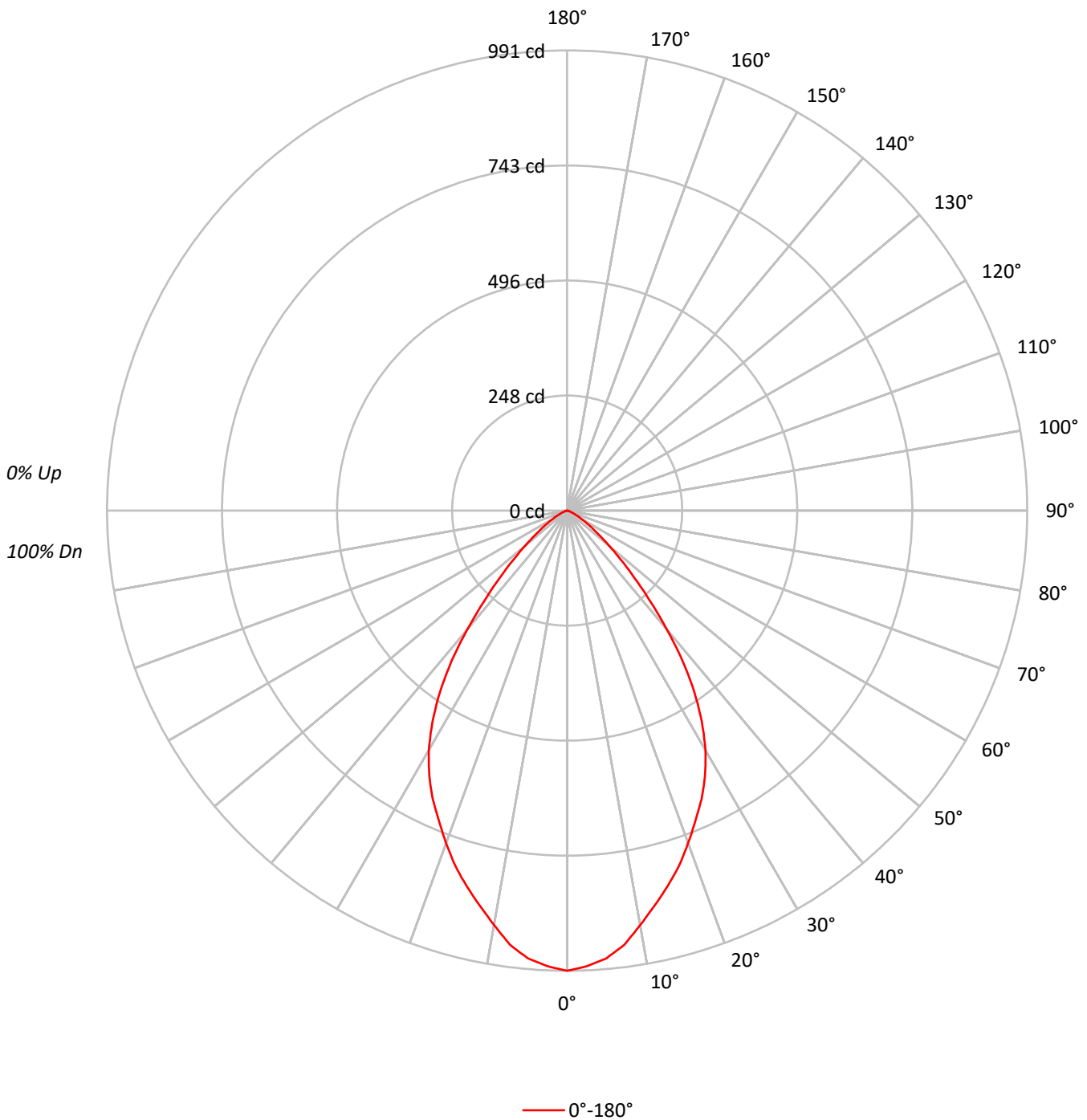
Lumens per Lamp: N/A
Luminaire Lumens: 1181.6 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 1.01
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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



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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	0		
RW	70	50	30	10	70	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	110	107	104	110	107	105	102	103	101	99		99	98	96		96	95	94	92
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		86	82	79		83	80	77	76
4	93	85	78	74	92	84	78	73	81	76	72		79	75	71		77	74	71	69
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	64	63
6	83	72	66	61	81	72	65	60	70	64	60		69	63	60		67	63	59	58
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	54	51		59	54	50	49
9	69	58	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78230
5°	76707
10°	72624
15°	68404
20°	64013
25°	59665
30°	54327
35°	46064
40°	34419
45°	22886
50°	14614
55°	9084
60°	5526
65°	3175
70°	1616
75°	1220
80°	909
85°	906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	7.7
10°-20°	234.9	19.9
20°-30°	313.6	26.5
30°-40°	293.9	24.9
40°-50°	162.8	13.8
50°-60°	62.3	5.3
60°-70°	18.4	1.6
70°-80°	4.3	0.4
80°-90°	0.8	0.1
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°	639.0	54.1
0°-40°	932.9	79.0
0°-60°	1158.0	98.0
0°-90°	1181.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1181.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	991	
5°	968	90
15°	837	235
25°	685	314
35°	478	294
45°	205	163
55°	66	62
65°	17	18
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	991
2.5°	982
5°	968
7.5°	943
10°	906
12.5°	871
15°	837
17.5°	802
20°	762
22.5°	722
25°	685
27.5°	643
30°	596
32.5°	540
35°	478
37.5°	409
40°	334
42.5°	264
45°	205
47.5°	157
50°	119
52.5°	89
55°	66
57.5°	49
60°	35
62.5°	25
65°	17
67.5°	12
70°	7
72.5°	5
75°	4
77.5°	3
80°	2
82.5°	1
85°	1
87.5°	0
90°	0

(END OF REPORT)