

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: P189768

Luminaire Tested: **ML5612D2W- 592SC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P189768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27303)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ML5612D2W- 592SC
Description: 5" D2W DIMMED TO 3000K, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1259.4 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.84
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

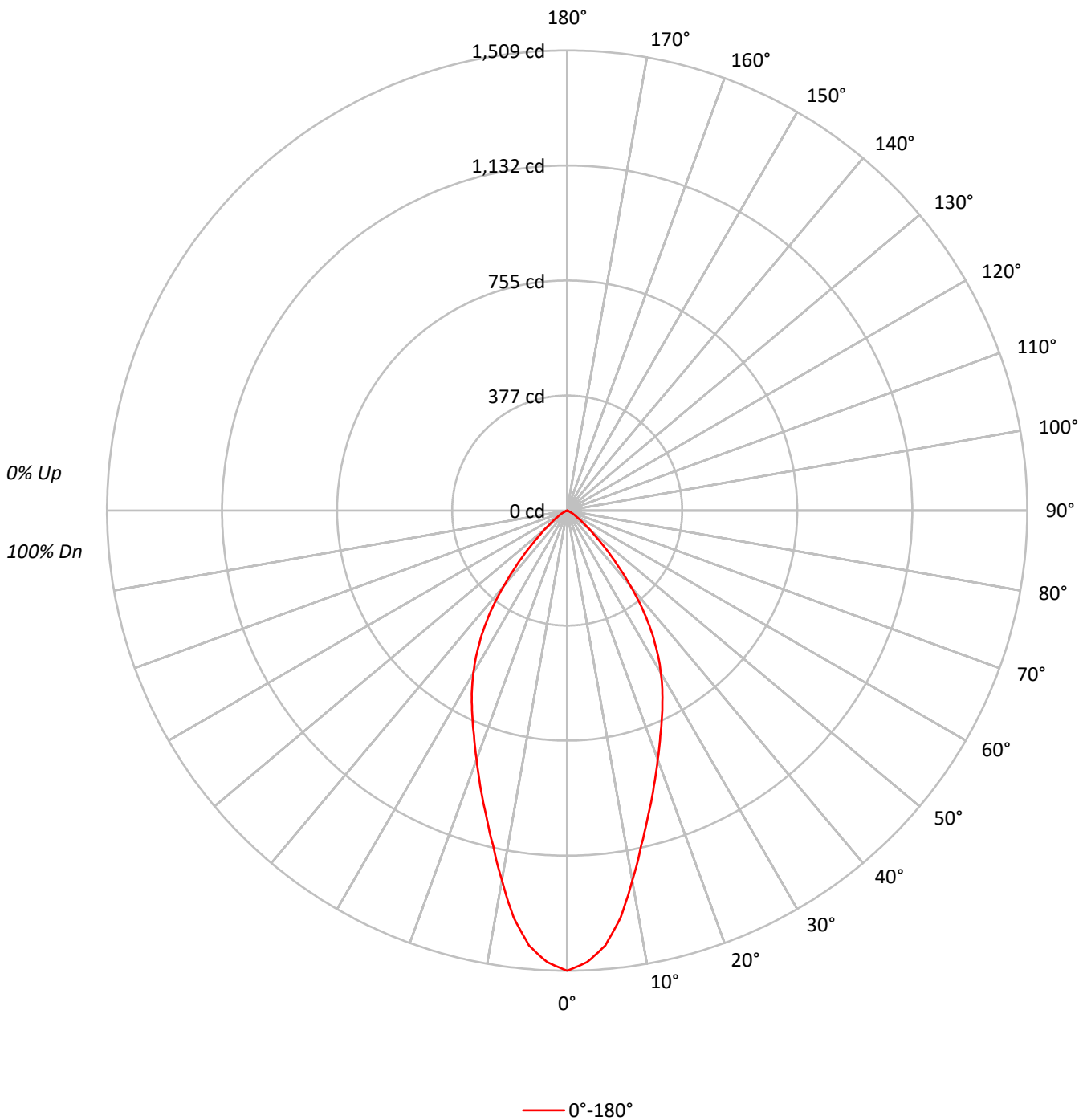
Input Watts (W): 17.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82		87	84	81		85	82	80	78
4	95	87	81	77	93	86	80	76	84	79	75		82	78	74		80	76	73	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	75	68	64	73	68	64		72	67	63		70	66	63	61
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66	62	58	57
8	76	66	60	55	75	65	59	55	64	59	55		63	58	55		62	58	54	53
9	72	62	56	51	71	61	55	51	60	55	51		60	54	51		59	54	51	49
10	69	58	52	48	68	58	52	48	57	52	48		56	51	48		55	51	48	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119122
5°	113475
10°	98756
15°	84177
20°	72918
25°	64107
30°	56059
35°	46257
40°	33491
45°	20765
50°	11667
55°	6606
60°	3631
65°	1868
70°	462
75°	305
80°	455
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	10.3
10°-20°	289.0	22.9
20°-30°	338.4	26.9
30°-40°	295.6	23.5
40°-50°	148.4	11.8
50°-60°	45.8	3.6
60°-70°	10.7	0.8
70°-80°	1.2	0.1
80°-90°	0.1	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°	757.6	60.2
0°-40°	1053.2	83.6
0°-60°	1247.4	99.0
0°-90°	1259.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1259.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1509	
5°	1432	130
15°	1030	289
25°	736	338
35°	480	296
45°	186	148
55°	48	46
65°	10	11
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1509
2.5°	1483
5°	1432
7.5°	1345
10°	1232
12.5°	1124
15°	1030
17.5°	947
20°	868
22.5°	799
25°	736
27.5°	677
30°	615
32.5°	550
35°	480
37.5°	405
40°	325
42.5°	250
45°	186
47.5°	133
50°	95
52.5°	67
55°	48
57.5°	33
60°	23
62.5°	15
65°	10
67.5°	6
70°	2
72.5°	1
75°	1
77.5°	1
80°	1
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)