

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: P189778

Luminaire Tested: **ML5612D2W- 692W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P189778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27324)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ML5612D2W- 692W
Description: 6" D2W DIMMED TO 3000K, WITH WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

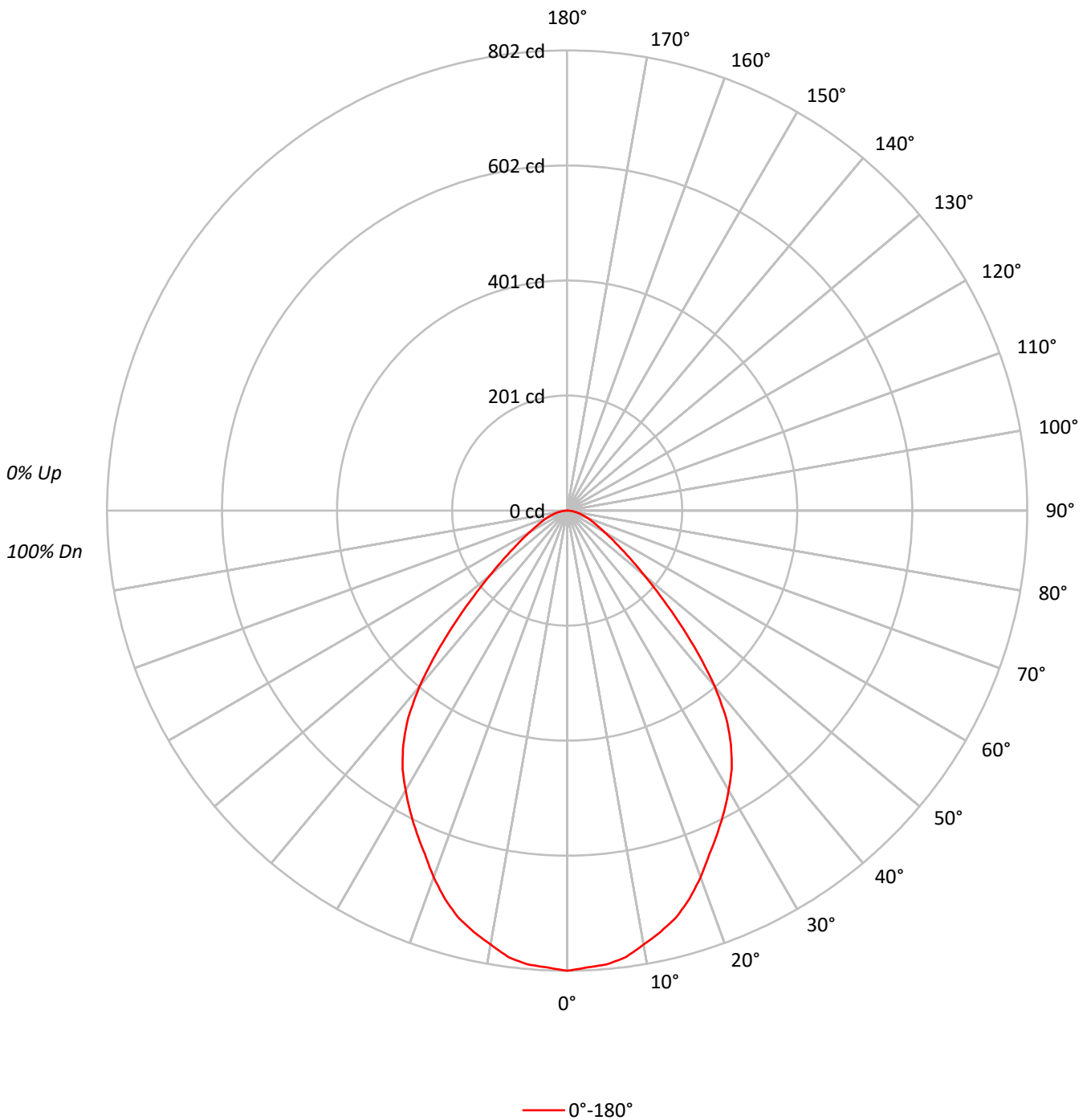
Lumens per Lamp: N/A
Luminaire Lumens: 1280.7 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	77	94	87	81	76	84	79	75		81	77	74		79	75	72	71
4	90	80	73	68	88	79	73	67	77	71	67		75	70	66		73	68	65	63
5	84	73	66	61	82	72	65	60	70	64	60		69	63	59		67	62	59	57
6	79	67	60	54	77	67	59	54	65	59	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		47	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43966
5°	43693
10°	42751
15°	41657
20°	39670
25°	37502
30°	35638
35°	33328
40°	28625
45°	21320
50°	14925
55°	10800
60°	8333
65°	6875
70°	6091
75°	5295
80°	4735
85°	3774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	5.9
10°-20°	205.6	16.1
20°-30°	285.6	22.3
30°-40°	307.2	24.0
40°-50°	214.5	16.8
50°-60°	104.7	8.2
60°-70°	53.9	4.2
70°-80°	27.0	2.1
80°-90°	7.2	0.6
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°	566.2	44.2
0°-40°	873.4	68.2
0°-60°	1192.6	93.1
0°-90°	1280.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	802	
5°	794	75
15°	734	206
25°	620	286
35°	498	307
45°	275	215
55°	113	105
65°	53	54
75°	25	27
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	802
2.5°	797
5°	794
7.5°	785
10°	768
12.5°	752
15°	734
17.5°	709
20°	680
22.5°	648
25°	620
27.5°	592
30°	563
32.5°	534
35°	498
37.5°	455
40°	400
42.5°	338
45°	275
47.5°	220
50°	175
52.5°	140
55°	113
57.5°	92
60°	76
62.5°	63
65°	53
67.5°	45
70°	38
72.5°	31
75°	25
77.5°	20
80°	15
82.5°	10
85°	6
87.5°	3
90°	0

(END OF REPORT)