

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: P189777

Luminaire Tested: **ML5612D2W- 692H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P189777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27322)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ML5612D2W- 692H
Description: 6" D2W DIMMED TO 3000K, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

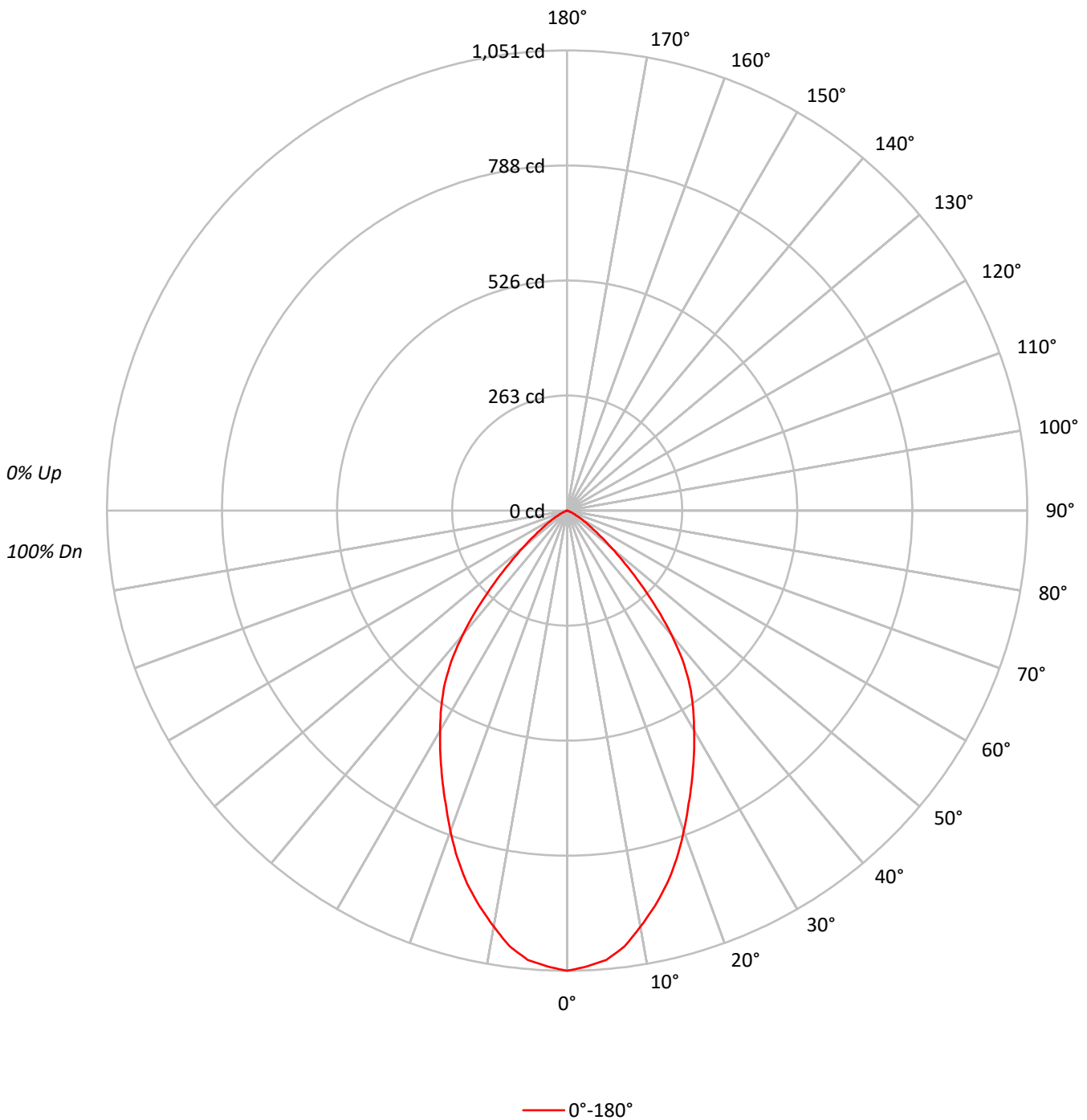
Lumens per Lamp: N/A
Luminaire Lumens: 1221.7 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 1
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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			
1	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92					92			
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	73	81	76	72	79	75	72	77	74	71	69					69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63					63			
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58					58			
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53					53			
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49					49			
9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45					45			
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42					42			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57616
5°	56680
10°	53718
15°	50057
20°	45446
25°	40829
30°	36715
35°	32725
40°	26621
45°	18296
50°	11258
55°	6499
60°	3508
65°	1686
70°	641
75°	424
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	7.9
10°-20°	246.2	20.2
20°-30°	310.5	25.4
30°-40°	301.5	24.7
40°-50°	185.4	15.2
50°-60°	64.6	5.3
60°-70°	14.5	1.2
70°-80°	2.2	0.2
80°-90°	0.4	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°	653.0	53.4
0°-40°	954.5	78.1
0°-60°	1204.6	98.6
0°-90°	1221.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1051	
5°	1030	96
15°	882	246
25°	675	311
35°	489	302
45°	236	185
55°	68	65
65°	13	14
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1051
2.5°	1042
5°	1030
7.5°	1004
10°	965
12.5°	925
15°	882
17.5°	833
20°	779
22.5°	725
25°	675
27.5°	627
30°	580
32.5°	536
35°	489
37.5°	435
40°	372
42.5°	304
45°	236
47.5°	179
50°	132
52.5°	95
55°	68
57.5°	47
60°	32
62.5°	21
65°	13
67.5°	7
70°	4
72.5°	3
75°	2
77.5°	1
80°	1
82.5°	1
85°	0
87.5°	0
90°	0

(END OF REPORT)