

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: P189774

Luminaire Tested: **ML5612D2W- 692SC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P189774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27316)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: ML5612D2W- 692SC  
Description: 6" 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: 1309.3 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.72  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

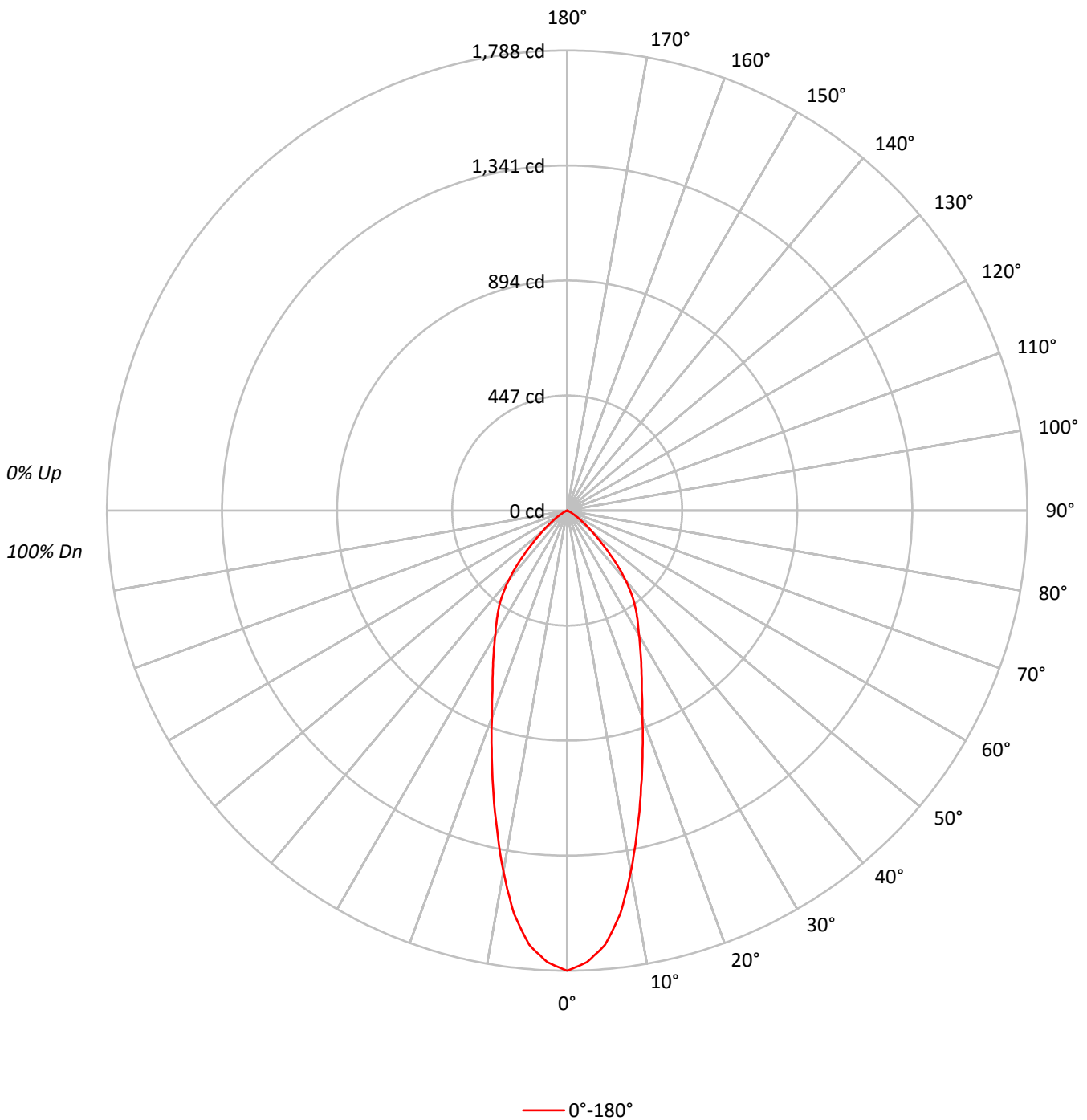
Input Watts (W): 17.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	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	69	64	73	68	64		72	67	63		70	66	63	61
7	80	71	64	60	79	70	64	59	69	63	59		67	62	59		66	62	58	57
8	76	66	60	55	75	66	59	55	64	59	55		63	58	55		62	58	55	53
9	72	62	56	52	71	62	56	52	61	55	51		60	55	51		59	54	51	50
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56	51	48	47

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	98018
5°	93220
10°	79324
15°	63054
20°	49821
25°	41313
30°	35322
35°	31052
40°	25333
45°	17444
50°	10490
55°	5735
60°	2851
65°	1038
70°	160
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.1	11.7
10°-20°	309.7	23.7
20°-30°	315.9	24.1
30°-40°	287.0	21.9
40°-50°	175.7	13.4
50°-60°	57.8	4.4
60°-70°	9.6	0.7
70°-80°	0.4	0.0
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°	778.7	59.5
0°-40°	1065.7	81.4
0°-60°	1299.3	99.2
0°-90°	1309.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1788	
5°	1694	153
15°	1111	310
25°	683	316
35°	464	287
45°	225	176
55°	60	58
65°	8	10
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1788
2.5°	1757
5°	1694
7.5°	1581
10°	1425
12.5°	1263
15°	1111
17.5°	974
20°	854
22.5°	757
25°	683
27.5°	618
30°	558
32.5°	510
35°	464
37.5°	413
40°	354
42.5°	289
45°	225
47.5°	168
50°	123
52.5°	87
55°	60
57.5°	40
60°	26
62.5°	15
65°	8
67.5°	3
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)