

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: P189779

Luminaire Tested: **ML5612D2W- 693WB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P189779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27326)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ML5612D2W- 693WB
Description: 6" D2W DIMMED TO 3000K, WITH WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1283.4 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

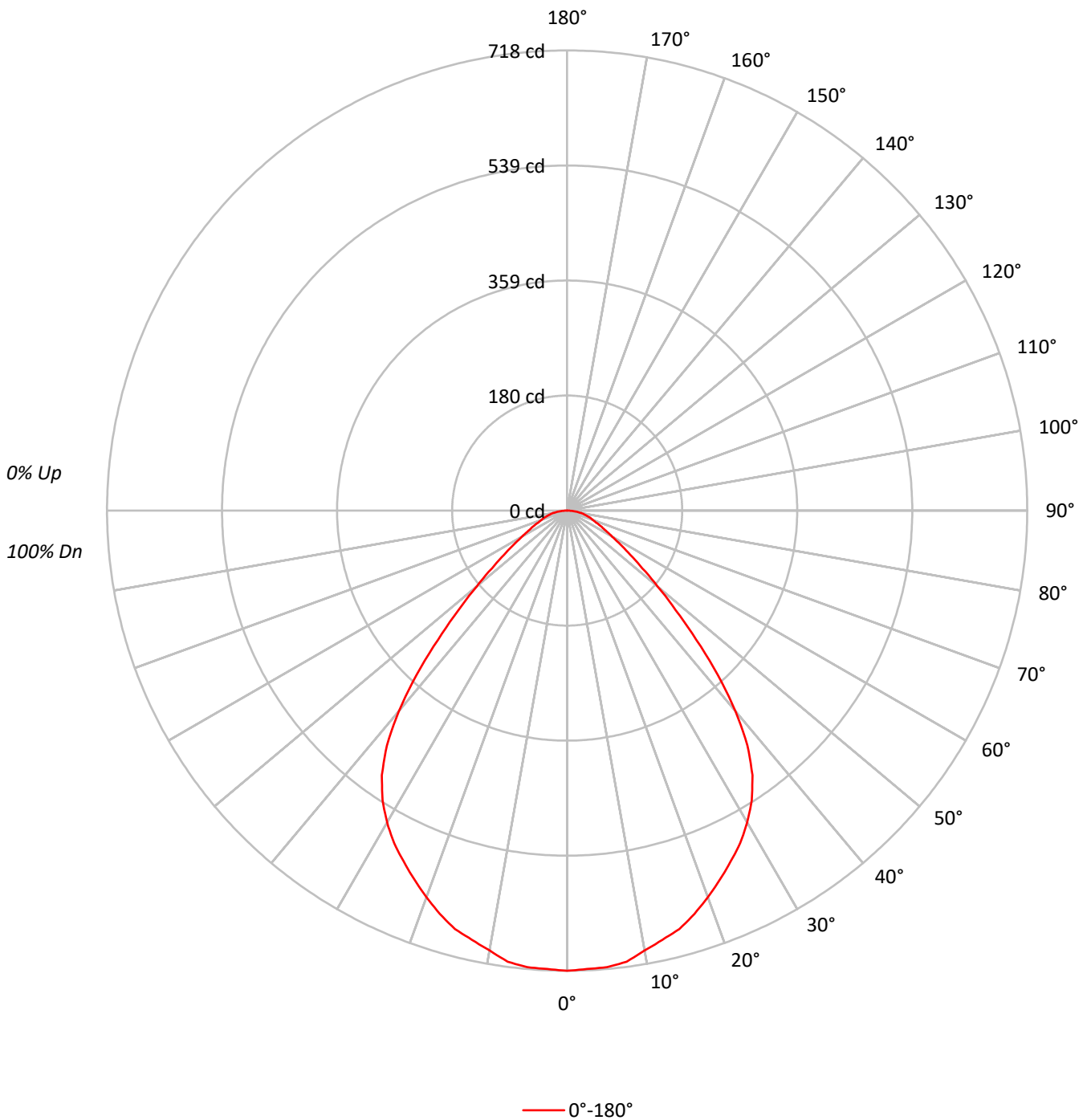
Input Watts (W): 17.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73		80	76	72		78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65		73	68	64		71	67	63	62
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52		62	56	52		61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56	51	47	45
8	68	56	49	43	67	55	48	43	54	48	43		53	47	43		52	47	43	41
9	64	52	45	40	63	51	44	40	50	44	39		49	43	39		48	43	39	37
10	60	48	41	36	59	48	41	36	47	41	36		46	40	36		45	40	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39361
5°	39346
10°	38799
15°	38366
20°	37453
25°	36534
30°	35575
35°	33729
40°	29269
45°	22095
50°	15692
55°	11469
60°	8881
65°	7524
70°	6892
75°	6778
80°	6945
85°	6290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	5.3
10°-20°	190.0	14.8
20°-30°	278.3	21.7
30°-40°	310.3	24.2
40°-50°	222.1	17.3
50°-60°	110.9	8.6
60°-70°	58.6	4.6
70°-80°	34.2	2.7
80°-90°	11.4	0.9
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
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0°-30°	536.0	41.8
0°-40°	846.2	65.9
0°-60°	1179.2	91.9
0°-90°	1283.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	718	
5°	715	68
15°	676	190
25°	604	278
35°	504	310
45°	285	222
55°	120	111
65°	58	59
75°	32	34
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	718
2.5°	716
5°	715
7.5°	710
10°	697
12.5°	686
15°	676
17.5°	660
20°	642
22.5°	623
25°	604
27.5°	585
30°	562
32.5°	536
35°	504
37.5°	462
40°	409
42.5°	348
45°	285
47.5°	230
50°	184
52.5°	148
55°	120
57.5°	98
60°	81
62.5°	68
65°	58
67.5°	49
70°	43
72.5°	38
75°	32
77.5°	27
80°	22
82.5°	16
85°	10
87.5°	5
90°	0

(END OF REPORT)