

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: P189769

Luminaire Tested: **ML5606D2W- 592SC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P189769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27304)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ML5606D2W- 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: 664.3 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.08
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

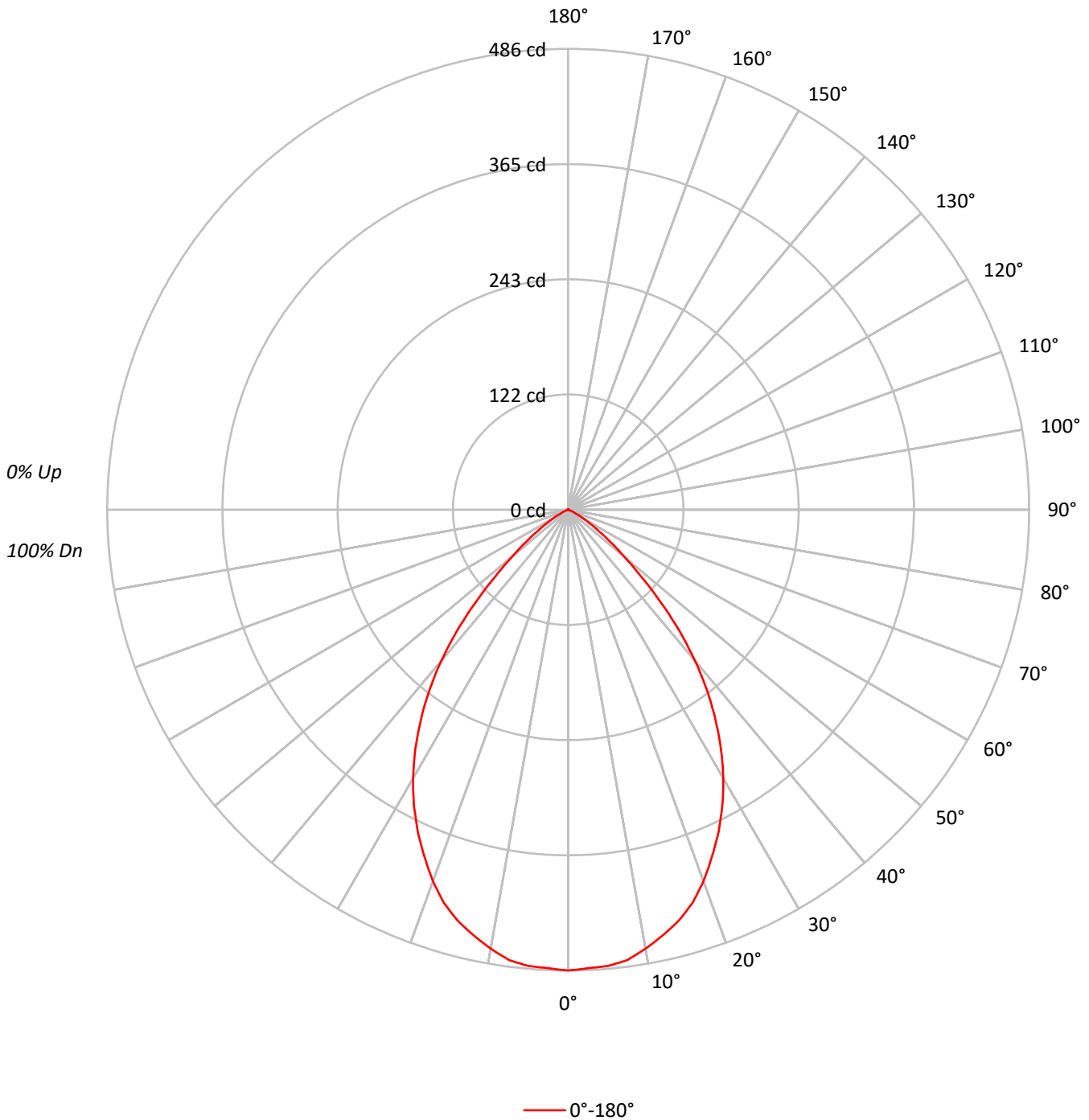
Input Watts (W): 9.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	94	92
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77	73	70	68
5	87	78	71	66	86	77	70	66	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	66	59	55	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	73	62	55	50	71	61	54	50	60	54	50		59	53	49		58	53	49	48
9	68	57	51	46	67	57	50	46	56	50	46		55	50	46		54	49	45	44
10	65	54	47	43	64	53	47	43	52	46	42		51	46	42		51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38365
5°	38274
10°	37675
15°	36695
20°	35031
25°	32663
30°	29807
35°	26116
40°	21434
45°	15406
50°	9456
55°	5505
60°	2842
65°	1121
70°	231
75°	305
80°	455
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	6.9
10°-20°	125.9	19.0
20°-30°	171.8	25.9
30°-40°	168.1	25.3
40°-50°	106.7	16.1
50°-60°	38.0	5.7
60°-70°	7.2	1.1
70°-80°	0.8	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°	343.4	51.7
0°-40°	511.5	77.0
0°-60°	656.2	98.8
0°-90°	664.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	664.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	486	
5°	483	46
15°	449	126
25°	375	172
35°	271	168
45°	138	107
55°	40	38
65°	6	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	486
2.5°	484
5°	483
7.5°	479
10°	470
12.5°	460
15°	449
17.5°	435
20°	417
22.5°	396
25°	375
27.5°	352
30°	327
32.5°	300
35°	271
37.5°	241
40°	208
42.5°	174
45°	138
47.5°	104
50°	77
52.5°	57
55°	40
57.5°	27
60°	18
62.5°	11
65°	6
67.5°	3
70°	1
72.5°	1
75°	1
77.5°	0
80°	1
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)