

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: P277691

Luminaire Tested: **LT560WH12927**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P277691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1810-968-9)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LT560WH12927
Description: 5/6 INCH LED RETROFIT BAFFLE 90CRI 2700K 1100LM
PHOTOMETRIC DATA PROVIDED IS BASED ON SPEC SHEET CLAIM
Light Source: (18) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

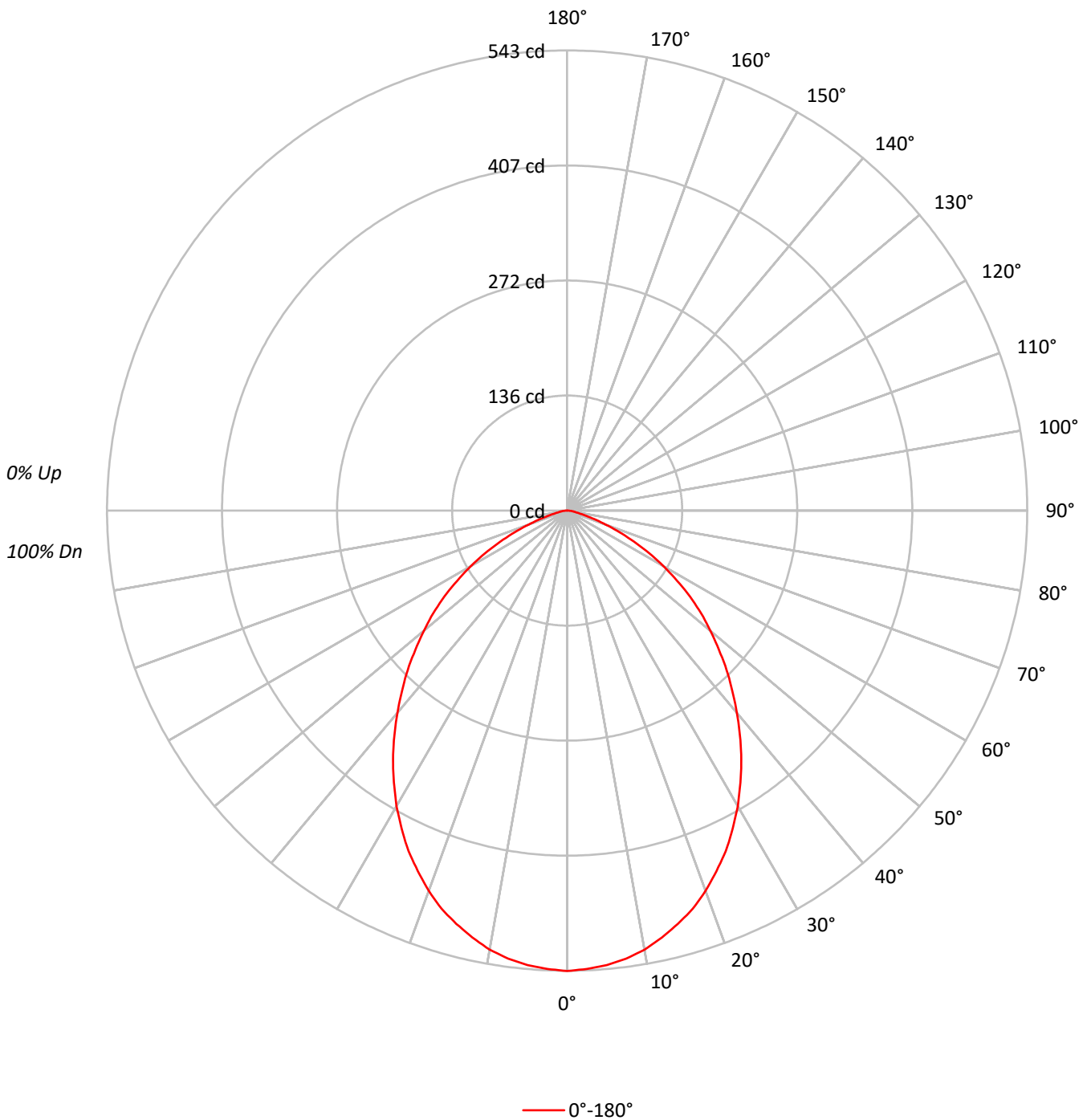
Lumens per Lamp: N/A
Luminaire Lumens: 1100.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.2
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

Input Watts (W): 12
Input Voltage (V): 120
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	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64	60	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47	45
7	70	57	49	43	68	56	49	43	55	48	43	54	47	43	52	47	42	41
8	65	52	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37
9	61	48	41	36	60	48	40	35	47	40	35	46	40	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	43	36	32	42	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35445
5°	35253
10°	34853
15°	34102
20°	33159
25°	31904
30°	30337
35°	28529
40°	26538
45°	24551
50°	22390
55°	20144
60°	17158
65°	13430
70°	9270
75°	5344
80°	3419
85°	2994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	4.6
10°-20°	142.1	12.9
20°-30°	203.4	18.5
30°-40°	223.6	20.3
40°-50°	204.9	18.6
50°-60°	157.6	14.3
60°-70°	87.1	7.9
70°-80°	25.4	2.3
80°-90°	4.8	0.4
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°	396.6	36.1
0°-40°	620.1	56.4
0°-60°	982.7	89.3
0°-90°	1100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1100.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	543	
5°	538	51
15°	505	142
25°	443	203
35°	358	224
45°	266	205
55°	177	158
65°	87	87
75°	21	25
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	543.3
2.5°	541.3
5°	538.3
7.5°	533.2
10°	526.1
12.5°	516.0
15°	504.9
17.5°	492.7
20°	477.6
22.5°	460.4
25°	443.2
27.5°	422.9
30°	402.7
32.5°	380.4
35°	358.2
37.5°	334.9
40°	311.6
42.5°	288.4
45°	266.1
47.5°	242.8
50°	220.6
52.5°	199.3
55°	177.1
57.5°	153.8
60°	131.5
62.5°	109.3
65°	87.0
67.5°	66.8
70°	48.6
72.5°	33.4
75°	21.2
77.5°	13.2
80°	9.1
82.5°	7.1
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)