

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: P277695

Luminaire Tested: **LT560WH12950**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P277695  
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: LT560WH12950  
Description: 5/6 INCH LED RETROFIT BAFFLE 90CRI 5000K 1100LM  
PHOTOMETRIC DATA PROVIDED IS BASED ON SPEC SHEET CLAIM  
Light Source: (18) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

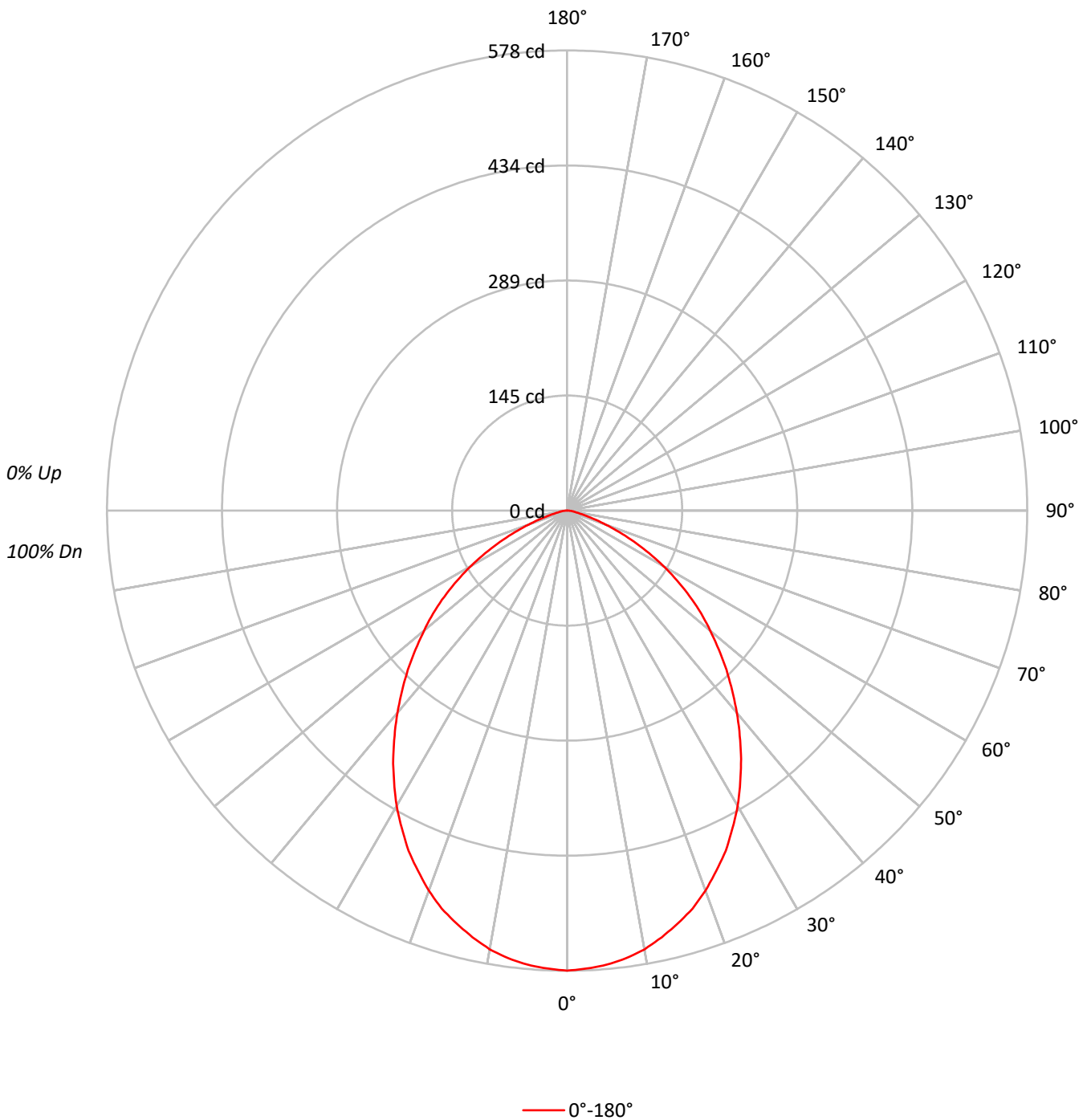
Lumens per Lamp: N/A  
Luminaire Lumens: 1170.0 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.2  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.9  
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°	37703
5°	37493
10°	37072
15°	36270
20°	35269
25°	33934
30°	32265
35°	30344
40°	28232
45°	26111
50°	23811
55°	21418
60°	18254
65°	14295
70°	9862
75°	5697
80°	3644
85°	3219



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.2	4.6
10°-20°	151.2	12.9
20°-30°	216.4	18.5
30°-40°	237.8	20.3
40°-50°	218.0	18.6
50°-60°	167.7	14.3
60°-70°	92.6	7.9
70°-80°	27.0	2.3
80°-90°	5.1	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°	421.8	36.1
0°-40°	659.6	56.4
0°-60°	1045.2	89.3
0°-90°	1170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1170.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	578	
5°	572	54
15°	537	151
25°	471	216
35°	381	238
45°	283	218
55°	188	168
65°	93	93
75°	23	27
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	577.9
2.5°	575.8
5°	572.5
7.5°	567.2
10°	559.6
12.5°	548.9
15°	537.0
17.5°	524.1
20°	508.0
22.5°	489.7
25°	471.4
27.5°	449.8
30°	428.3
32.5°	404.6
35°	381.0
37.5°	356.2
40°	331.5
42.5°	306.7
45°	283.0
47.5°	258.3
50°	234.6
52.5°	212.0
55°	188.3
57.5°	163.6
60°	139.9
62.5°	116.2
65°	92.6
67.5°	71.0
70°	51.7
72.5°	35.5
75°	22.6
77.5°	14.0
80°	9.7
82.5°	7.5
85°	4.3
87.5°	2.2
90°	0.0

(END OF REPORT)