

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: P277694

Luminaire Tested: **LT560WH12940**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P277694
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: LT560WH12940
Description: 5/6 INCH LED RETROFIT BAFFLE 90CRI 4000K 1100LM
PHOTOMETRIC DATA PROVIDED IS BASED ON SPEC SHEET CLAIM
Light Source: (18) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

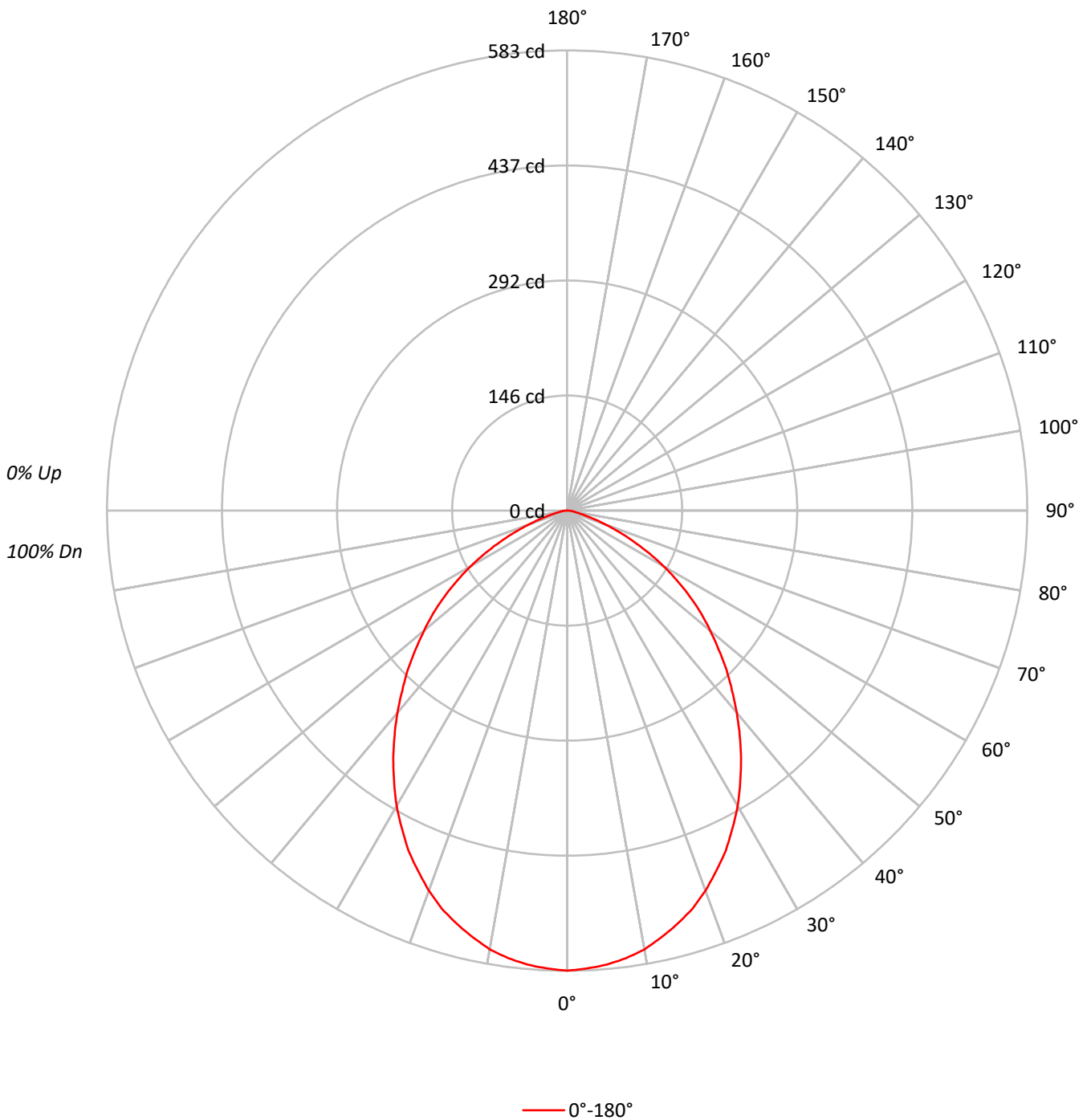
Lumens per Lamp: N/A
Luminaire Lumens: 1180.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.2
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

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°	38029
5°	37814
10°	37390
15°	36581
20°	35568
25°	34222
30°	32544
35°	30599
40°	28471
45°	26341
50°	24014
55°	21600
60°	18411
65°	14403
70°	9938
75°	5747
80°	3682
85°	3219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	4.6
10°-20°	152.5	12.9
20°-30°	218.2	18.5
30°-40°	239.8	20.3
40°-50°	219.8	18.6
50°-60°	169.1	14.3
60°-70°	93.4	7.9
70°-80°	27.2	2.3
80°-90°	5.2	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°	425.4	36.1
0°-40°	665.2	56.4
0°-60°	1054.2	89.3
0°-90°	1180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	583	
5°	577	55
15°	542	152
25°	475	218
35°	384	240
45°	286	220
55°	190	169
65°	93	93
75°	23	27
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	582.9
2.5°	580.7
5°	577.4
7.5°	572.0
10°	564.4
12.5°	553.5
15°	541.6
17.5°	528.6
20°	512.3
22.5°	493.9
25°	475.4
27.5°	453.7
30°	432.0
32.5°	408.1
35°	384.2
37.5°	359.3
40°	334.3
42.5°	309.3
45°	285.5
47.5°	260.5
50°	236.6
52.5°	213.8
55°	189.9
57.5°	165.0
60°	141.1
62.5°	117.2
65°	93.3
67.5°	71.6
70°	52.1
72.5°	35.8
75°	22.8
77.5°	14.1
80°	9.8
82.5°	7.6
85°	4.3
87.5°	2.2
90°	0.0

(END OF REPORT)