

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: P199325

Luminaire Tested: **LT560WH6950**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P199325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28069)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LT560WH6950
Description: 5/6" LT LED RECESSED DOWNLIGHT

Light Source: EATON LED 5000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

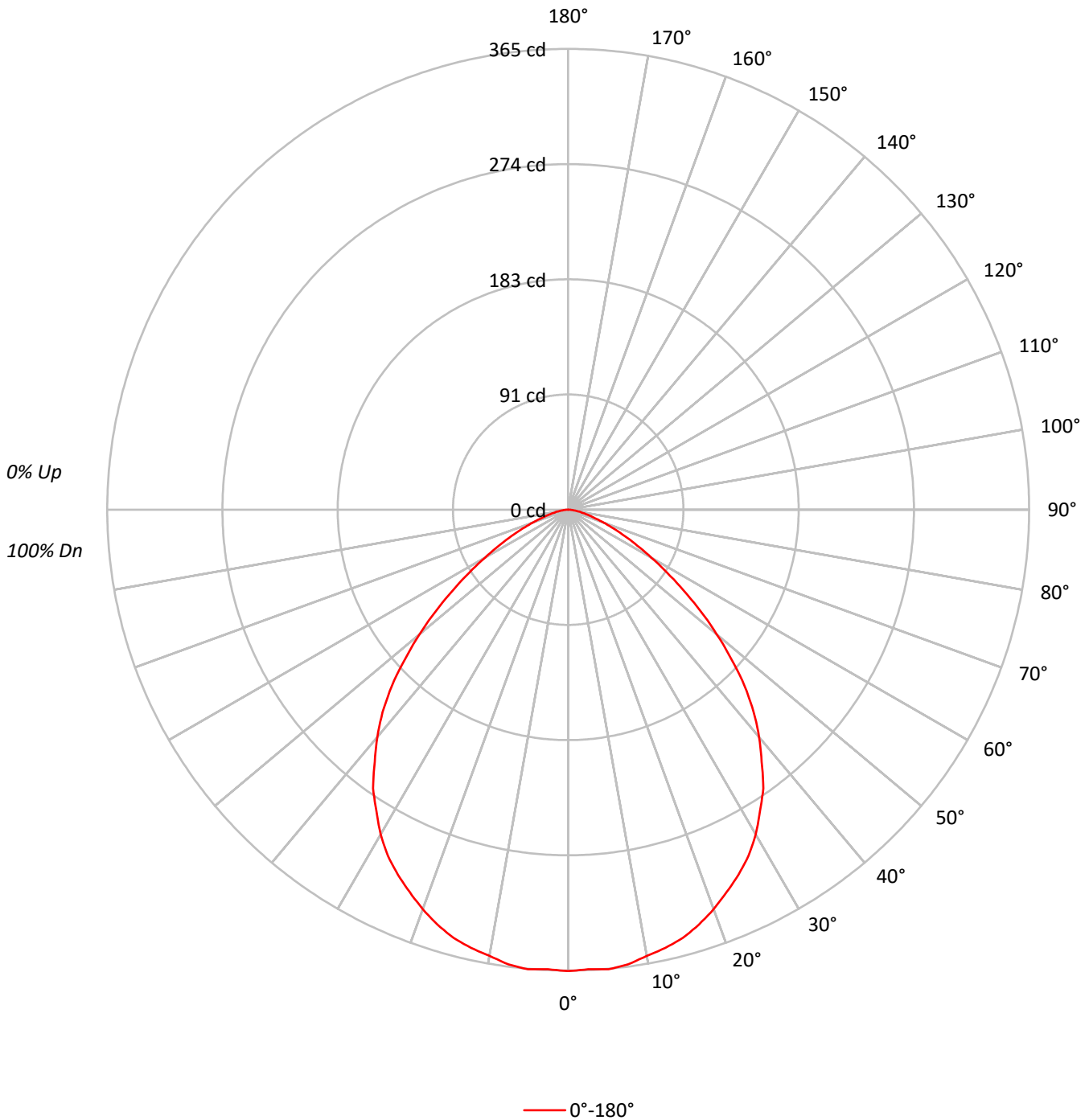
Lumens per Lamp: N/A
Luminaire Lumens: 772.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.27
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): 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	102	99	101	98	96	97	95	93	93	92	90	88
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	77
3	95	86	78	73	92	84	77	72	81	76	71	78	74	70	76	72	69	67
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	59
5	81	70	62	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	36	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20031
5°	20108
10°	19973
15°	19926
20°	19643
25°	19302
30°	18800
35°	18029
40°	16832
45°	15319
50°	13091
55°	10657
60°	8355
65°	6447
70°	4776
75°	3516
80°	2778
85°	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	4.5
10°-20°	98.8	12.8
20°-30°	146.8	19.0
30°-40°	167.3	21.7
40°-50°	151.1	19.6
50°-60°	100.6	13.0
60°-70°	50.1	6.5
70°-80°	18.5	2.4
80°-90°	4.2	0.5
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°	280.2	36.3
0°-40°	447.5	58.0
0°-60°	699.2	90.6
0°-90°	772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	365	
5°	365	35
15°	351	99
25°	319	147
35°	269	167
45°	198	151
55°	112	101
65°	50	50
75°	17	18
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	365.4
2.5°	364.3
5°	365.4
7.5°	363.2
10°	358.8
12.5°	355.5
15°	351.1
17.5°	344.5
20°	336.7
22.5°	327.9
25°	319.1
27.5°	309.1
30°	297.0
32.5°	282.6
35°	269.4
37.5°	251.7
40°	235.2
42.5°	217.5
45°	197.6
47.5°	175.5
50°	153.5
52.5°	132.5
55°	111.5
57.5°	92.7
60°	76.2
62.5°	61.8
65°	49.7
67.5°	38.6
70°	29.8
72.5°	22.1
75°	16.6
77.5°	12.1
80°	8.8
82.5°	5.5
85°	3.3
87.5°	2.2
90°	0.0

(END OF REPORT)