

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: P199327

Luminaire Tested: **LT560WH6935**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P199327
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: LT560WH6935
Description: 5/6" LT LED RECESSED DOWNLIGHT

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

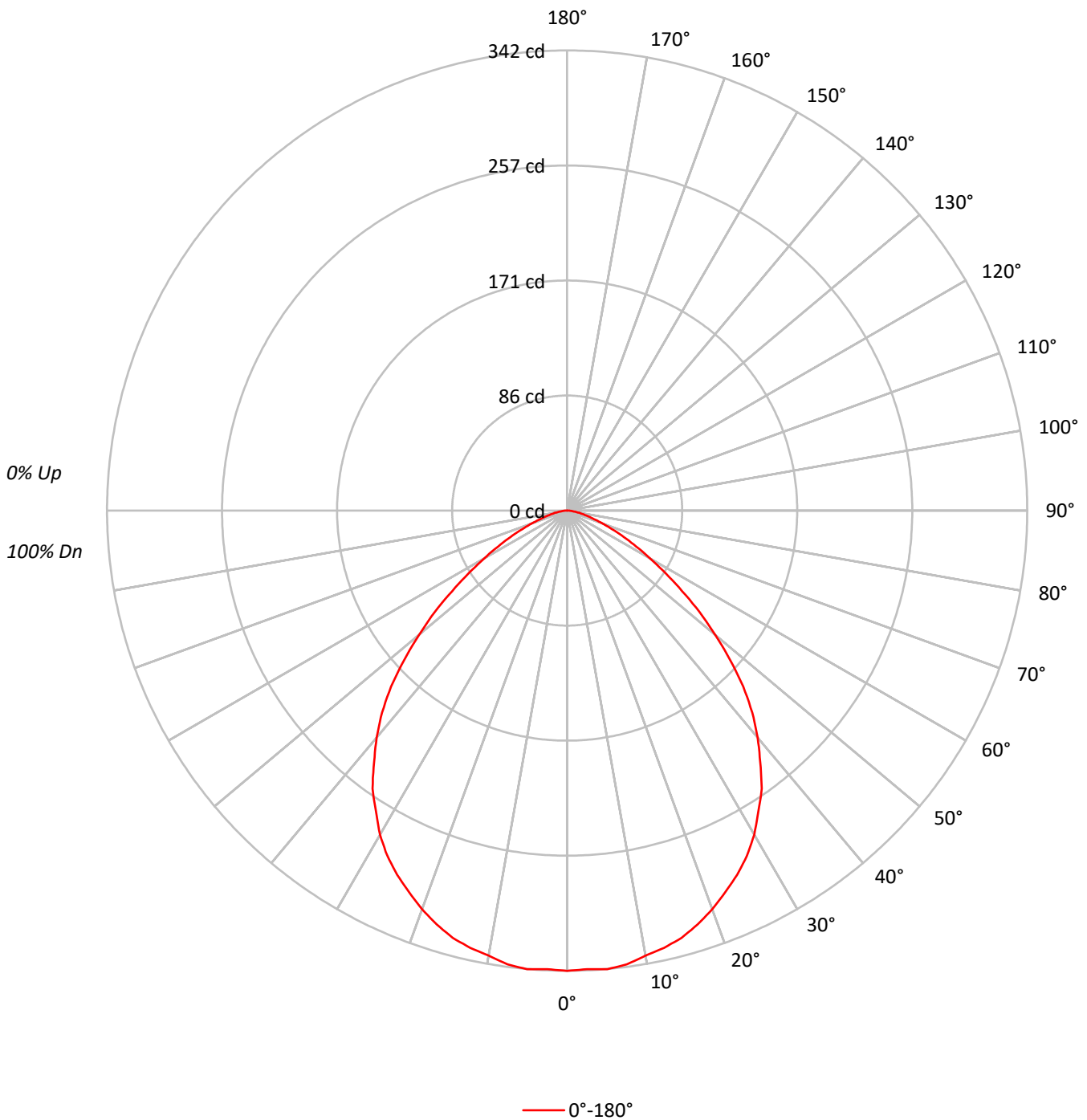
Lumens per Lamp: N/A
Luminaire Lumens: 722.8 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.27
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	95	90	85	100	94	88	84	90	86	82		87	83	80		84	81	78	77
3	95	85	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°	18754
5°	18826
10°	18698
15°	18655
20°	18394
25°	18068
30°	17604
35°	16878
40°	15758
45°	14343
50°	12255
55°	9978
60°	7817
65°	6032
70°	4472
75°	3283
80°	2620
85°	1950



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	4.5
10°-20°	92.5	12.8
20°-30°	137.4	19.0
30°-40°	156.6	21.7
40°-50°	141.5	19.6
50°-60°	94.2	13.0
60°-70°	46.9	6.5
70°-80°	17.3	2.4
80°-90°	4.0	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°	262.4	36.3
0°-40°	419.0	58.0
0°-60°	654.6	90.6
0°-90°	722.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	722.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	342	
5°	342	32
15°	329	93
25°	299	137
35°	252	157
45°	185	141
55°	104	94
65°	46	47
75°	16	17
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	342.1
2.5°	341.1
5°	342.1
7.5°	340.1
10°	335.9
12.5°	332.8
15°	328.7
17.5°	322.5
20°	315.3
22.5°	307.0
25°	298.7
27.5°	289.4
30°	278.1
32.5°	264.6
35°	252.2
37.5°	235.7
40°	220.2
42.5°	203.6
45°	185.0
47.5°	164.4
50°	143.7
52.5°	124.0
55°	104.4
57.5°	86.8
60°	71.3
62.5°	57.9
65°	46.5
67.5°	36.2
70°	27.9
72.5°	20.7
75°	15.5
77.5°	11.4
80°	8.3
82.5°	5.2
85°	3.1
87.5°	2.1
90°	0.0

(END OF REPORT)