

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: P199333

Luminaire Tested: **LT460WH6927**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P199333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28071)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LT460WH6927
Description: 4" LT LED RECESSED DOWNLIGHT

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

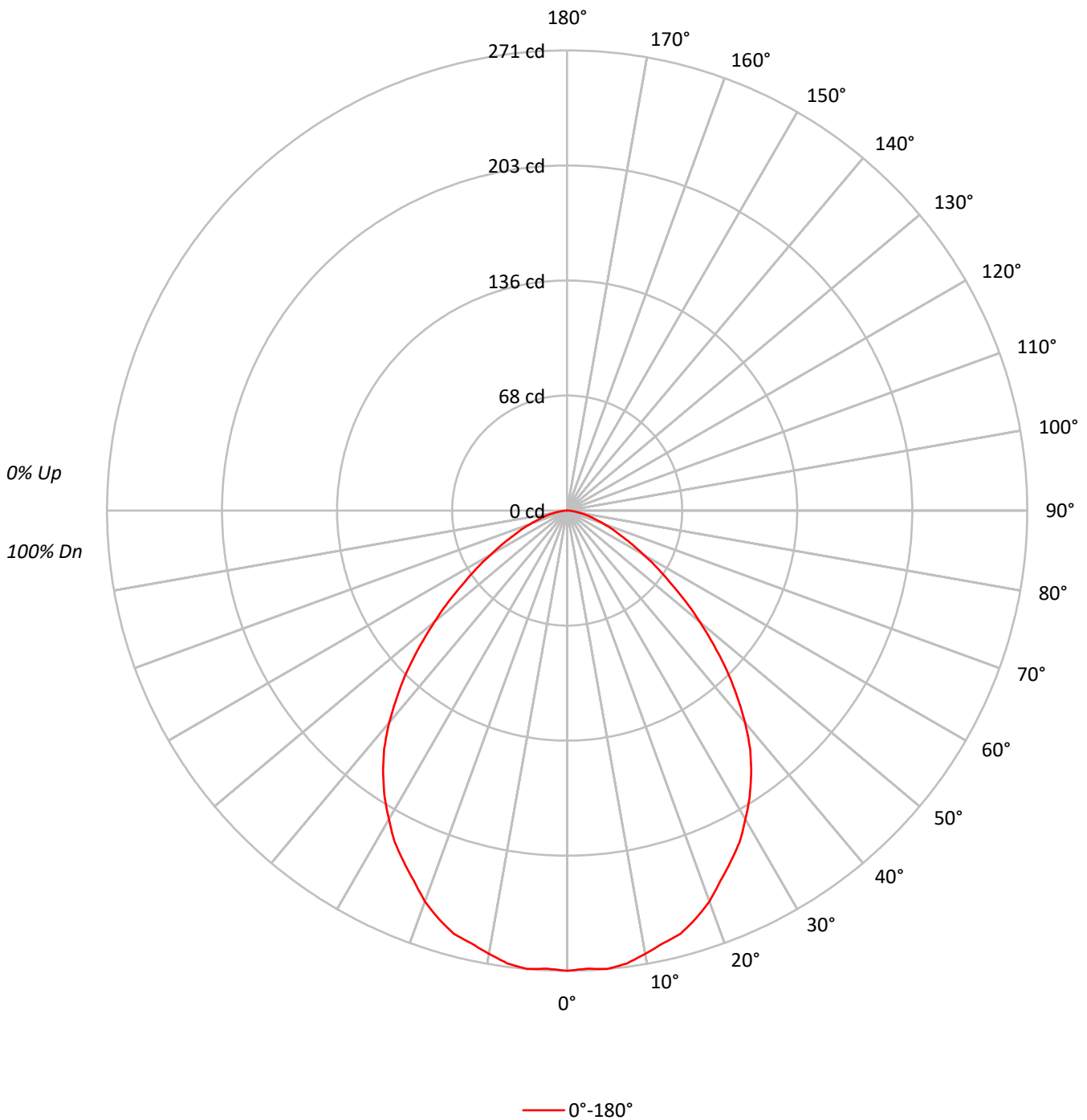
Lumens per Lamp: N/A
Luminaire Lumens: 544.4 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.23
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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	101	99	100	98	96		97	95	93		93	91	90	88
2	102	95	90	85	100	94	88	84	90	86	82		87	83	80		84	81	78	76
3	95	86	79	73	92	84	78	72	81	76	71		79	74	70		76	72	69	67
4	88	77	69	63	85	76	69	63	73	67	62		71	66	61		69	64	61	59
5	81	70	62	56	79	69	61	56	67	60	55		65	59	54		63	58	54	52
6	75	63	55	50	74	63	55	49	61	54	49		59	53	49		58	52	48	46
7	70	58	50	45	69	57	50	44	56	49	44		54	48	44		53	48	44	42
8	66	53	46	40	64	53	45	40	51	45	40		50	44	40		49	44	39	38
9	62	49	42	37	60	49	41	36	48	41	36		47	41	36		46	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33		43	37	33		43	37	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33427
5°	33554
10°	33191
15°	32946
20°	32159
25°	31030
30°	29910
35°	28459
40°	26246
45°	23200
50°	19573
55°	15913
60°	12828
65°	10215
70°	8295
75°	6672
80°	4972
85°	4246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	4.7
10°-20°	72.4	13.3
20°-30°	105.0	19.3
30°-40°	117.6	21.6
40°-50°	102.1	18.7
50°-60°	67.3	12.4
60°-70°	35.7	6.6
70°-80°	15.3	2.8
80°-90°	3.4	0.6
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°	203.1	37.3
0°-40°	320.7	58.9
0°-60°	490.1	90.0
0°-90°	544.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	544.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	271	
5°	271	26
15°	258	72
25°	228	105
35°	189	118
45°	133	102
55°	74	67
65°	35	36
75°	14	15
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	271
2.5°	270
5°	271
7.5°	269
10°	265
12.5°	261
15°	258
17.5°	252
20°	245
22.5°	236
25°	228
27.5°	220
30°	210
32.5°	200
35°	189
37.5°	177
40°	163
42.5°	148
45°	133
47.5°	117
50°	102
52.5°	88
55°	74
57.5°	63
60°	52
62.5°	43
65°	35
67.5°	29
70°	23
72.5°	18
75°	14
77.5°	11
80°	7
82.5°	5
85°	3
87.5°	1
90°	0

(END OF REPORT)