

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: P127982

Luminaire Tested: **RL560WH9827**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P127982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14267)
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RL560WH9827
Description: HALO 5/6" LED RETROFIT MODULE LED DOWNLIGHT WITH A WHITE TRIM
Light Source: [1] 2700K LED
Ballast/Driver: [1] ELECTRONIC DRIVER

Summary

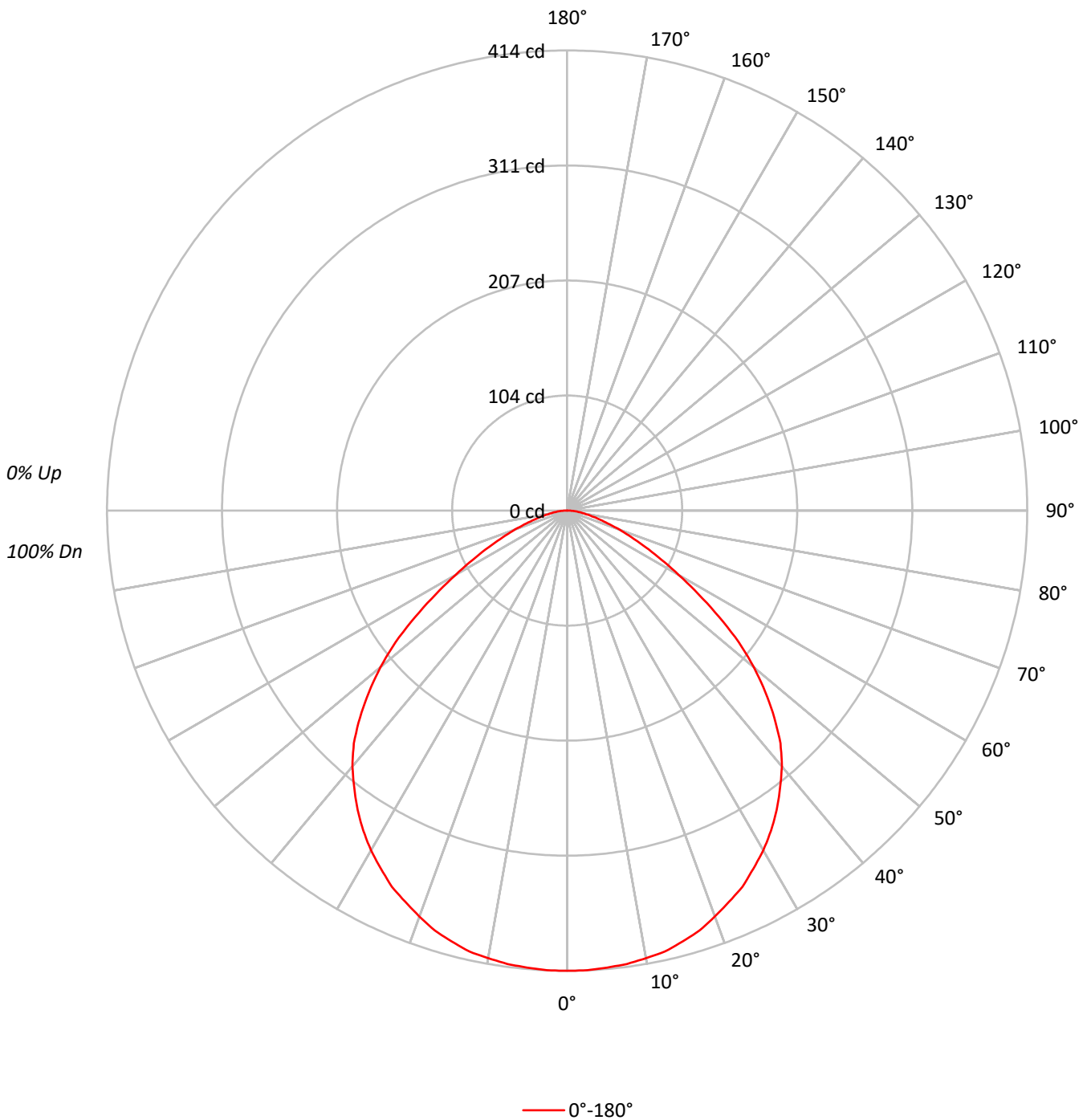
Lumens per Lamp: N/A
Luminaire Lumens: 1000.2 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 13.5
Input Voltage (V): NR
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	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	34
9	59	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32682
5°	32703
10°	32777
15°	32797
20°	32645
25°	32515
30°	32168
35°	31677
40°	30977
45°	29439
50°	26908
55°	22970
60°	18299
65°	14514
70°	11471
75°	8937
80°	6955
85°	6974



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	3.9
10°-20°	113.3	11.3
20°-30°	171.7	17.2
30°-40°	205.3	20.5
40°-50°	202.4	20.2
50°-60°	149.2	14.9
60°-70°	78.6	7.9
70°-80°	32.1	3.2
80°-90°	8.3	0.8
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°	324.3	32.4
0°-40°	529.6	52.9
0°-60°	881.2	88.1
0°-90°	1000.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1000.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	414	
5°	413	39
15°	401	113
25°	373	172
35°	329	205
45°	264	202
55°	167	149
65°	78	79
75°	29	32
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	414.0
2.5°	414.0
5°	412.7
7.5°	411.4
10°	408.9
12.5°	406.4
15°	401.3
17.5°	396.1
20°	388.6
22.5°	380.9
25°	373.3
27.5°	363.0
30°	352.9
32.5°	341.4
35°	328.7
37.5°	314.7
40°	300.6
42.5°	284.1
45°	263.7
47.5°	242.0
50°	219.1
52.5°	194.9
55°	166.9
57.5°	140.1
60°	115.9
62.5°	95.6
65°	77.7
67.5°	62.4
70°	49.7
72.5°	38.3
75°	29.3
77.5°	21.7
80°	15.3
82.5°	11.4
85°	7.7
87.5°	3.9
90°	0.0

(END OF REPORT)