

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: P127993

Luminaire Tested: **RL560WH9940**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P127993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14262)
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RL560WH9940
Description: HALO 5/6" LED RETROFIT MODULE LED DOWNLIGHT WITH A WHITE TRIM
Light Source: [1] 4000K LED
Ballast/Driver: [1] ELECTRONIC DRIVER

Summary

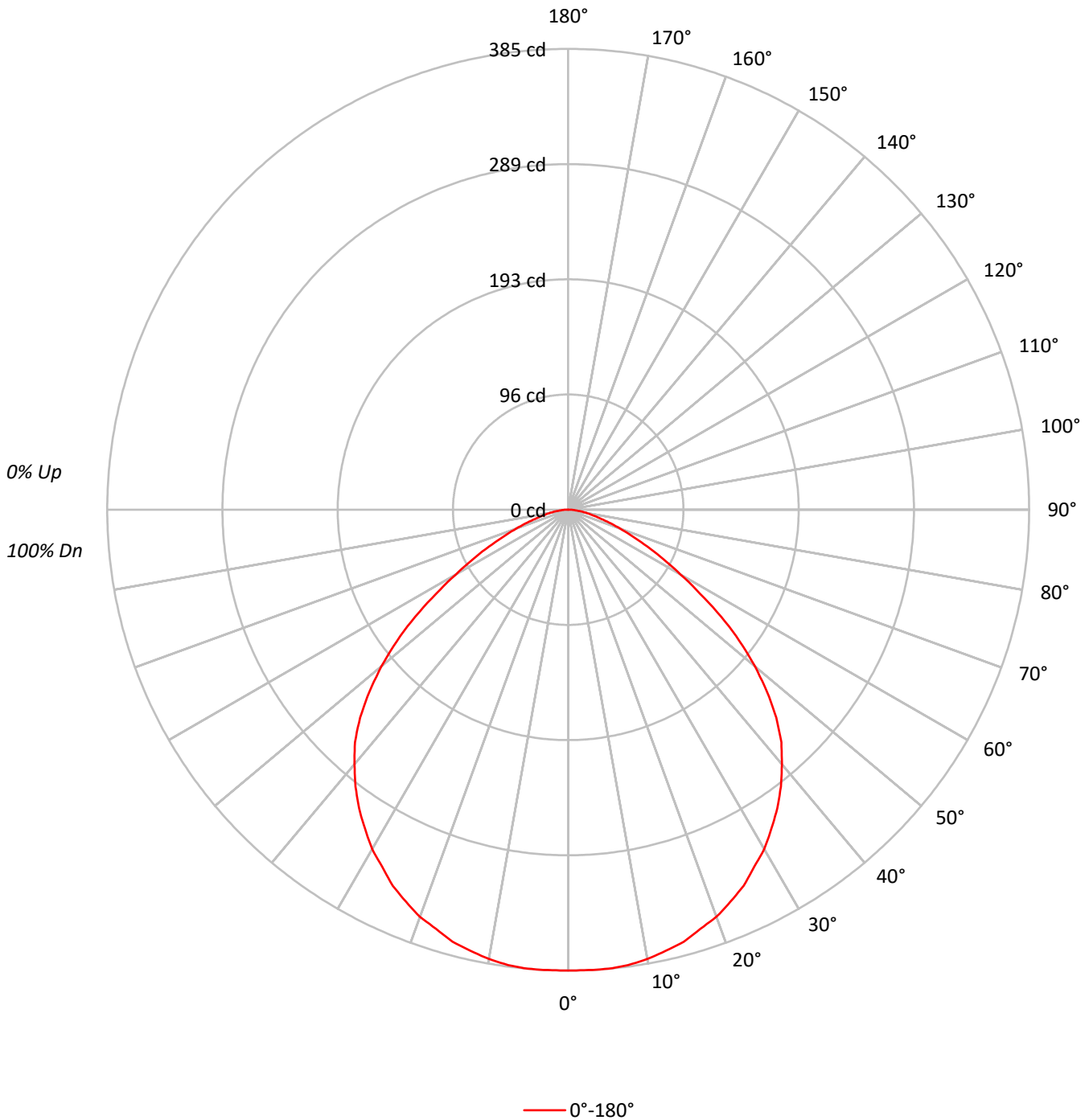
Lumens per Lamp: N/A
Luminaire Lumens: 929.6 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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	46	72	60	52	46	58	51	46	57	50	46	55	49	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	36	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°	30392
5°	30508
10°	30556
15°	30533
20°	30411
25°	30198
30°	29853
35°	29344
40°	28607
45°	27430
50°	24992
55°	21484
60°	17162
65°	13636
70°	10640
75°	8205
80°	6955
85°	5797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	3.9
10°-20°	105.3	11.3
20°-30°	159.5	17.2
30°-40°	190.2	20.5
40°-50°	188.0	20.2
50°-60°	138.9	14.9
60°-70°	73.4	7.9
70°-80°	30.0	3.2
80°-90°	7.7	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°	301.4	32.4
0°-40°	491.5	52.9
0°-60°	818.4	88.0
0°-90°	929.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	929.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	385	
5°	385	37
15°	374	105
25°	347	159
35°	304	190
45°	246	188
55°	156	139
65°	73	73
75°	27	30
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	385.0
2.5°	385.0
5°	385.0
7.5°	383.7
10°	381.2
12.5°	377.4
15°	373.6
17.5°	367.1
20°	362.0
22.5°	354.4
25°	346.7
27.5°	336.4
30°	327.5
32.5°	315.9
35°	304.5
37.5°	291.7
40°	277.6
42.5°	263.5
45°	245.7
47.5°	225.2
50°	203.5
52.5°	180.4
55°	156.1
57.5°	130.5
60°	108.7
62.5°	89.6
65°	73.0
67.5°	57.5
70°	46.1
72.5°	35.8
75°	26.9
77.5°	20.5
80°	15.3
82.5°	10.3
85°	6.4
87.5°	3.9
90°	0.0

(END OF REPORT)