

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: P127987

Luminaire Tested: **RL560WH9840**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P127987
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: RL560WH9840
Description: HALO 5/6" LED RETROFIT MODULE LED DOWNLIGHT WITH A WHITE TRIM
Light Source: [1] 4000K LED
Ballast/Driver: [1] ELECTRONIC DRIVER

Summary

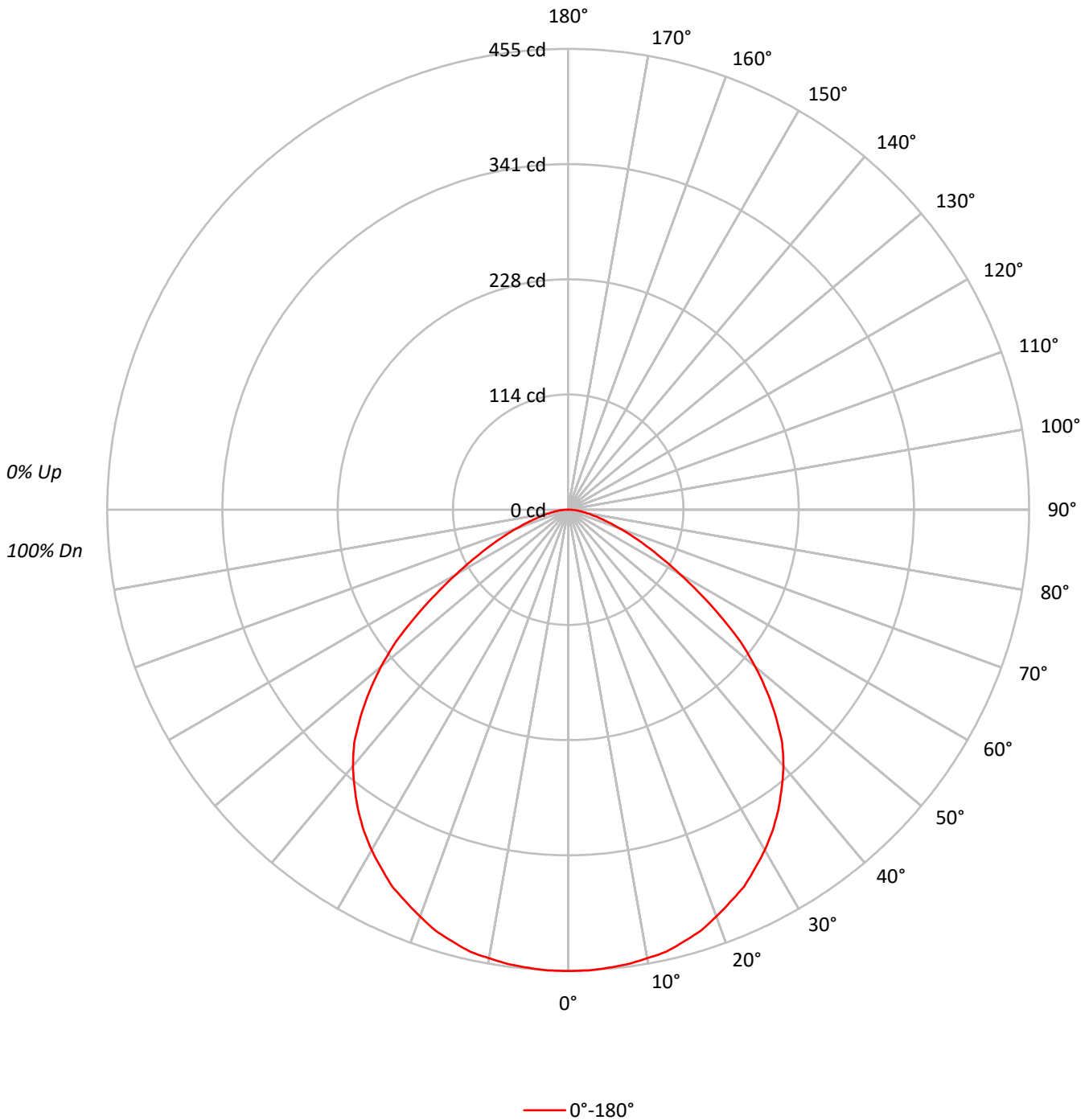
Lumens per Lamp: N/A
Luminaire Lumens: 1100.2 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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°	35950
5°	35976
10°	36047
15°	36074
20°	35905
25°	35764
30°	35377
35°	34847
40°	34068
45°	32387
50°	29610
55°	25255
60°	20114
65°	15971
70°	12625
75°	9821
80°	7637
85°	7699



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	3.9
10°-20°	124.6	11.3
20°-30°	188.8	17.2
30°-40°	225.9	20.5
40°-50°	222.6	20.2
50°-60°	164.1	14.9
60°-70°	86.5	7.9
70°-80°	35.3	3.2
80°-90°	9.2	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°	356.7	32.4
0°-40°	582.5	52.9
0°-60°	969.3	88.1
0°-90°	1100.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1100.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	455	
5°	454	43
15°	441	125
25°	411	189
35°	362	226
45°	290	223
55°	184	164
65°	86	86
75°	32	35
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	455.4
2.5°	455.4
5°	454.0
7.5°	452.6
10°	449.7
12.5°	447.1
15°	441.4
17.5°	435.8
20°	427.4
22.5°	418.9
25°	410.6
27.5°	399.3
30°	388.1
32.5°	375.6
35°	361.6
37.5°	346.2
40°	330.6
42.5°	312.6
45°	290.1
47.5°	266.2
50°	241.1
52.5°	214.3
55°	183.5
57.5°	154.2
60°	127.4
62.5°	105.1
65°	85.5
67.5°	68.7
70°	54.7
72.5°	42.1
75°	32.2
77.5°	23.9
80°	16.8
82.5°	12.6
85°	8.5
87.5°	4.2
90°	0.0

(END OF REPORT)