

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: P127995

Luminaire Tested: **RL560WH9927**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P127995
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: RL560WH9927
Description: HALO 5/6" LED RETROFIT MODULE LED DOWNLIGHT WITH A WHITE TRIM
Light Source: [1] 2700K LED
Ballast/Driver: [1] ELECTRONIC DRIVER

Summary

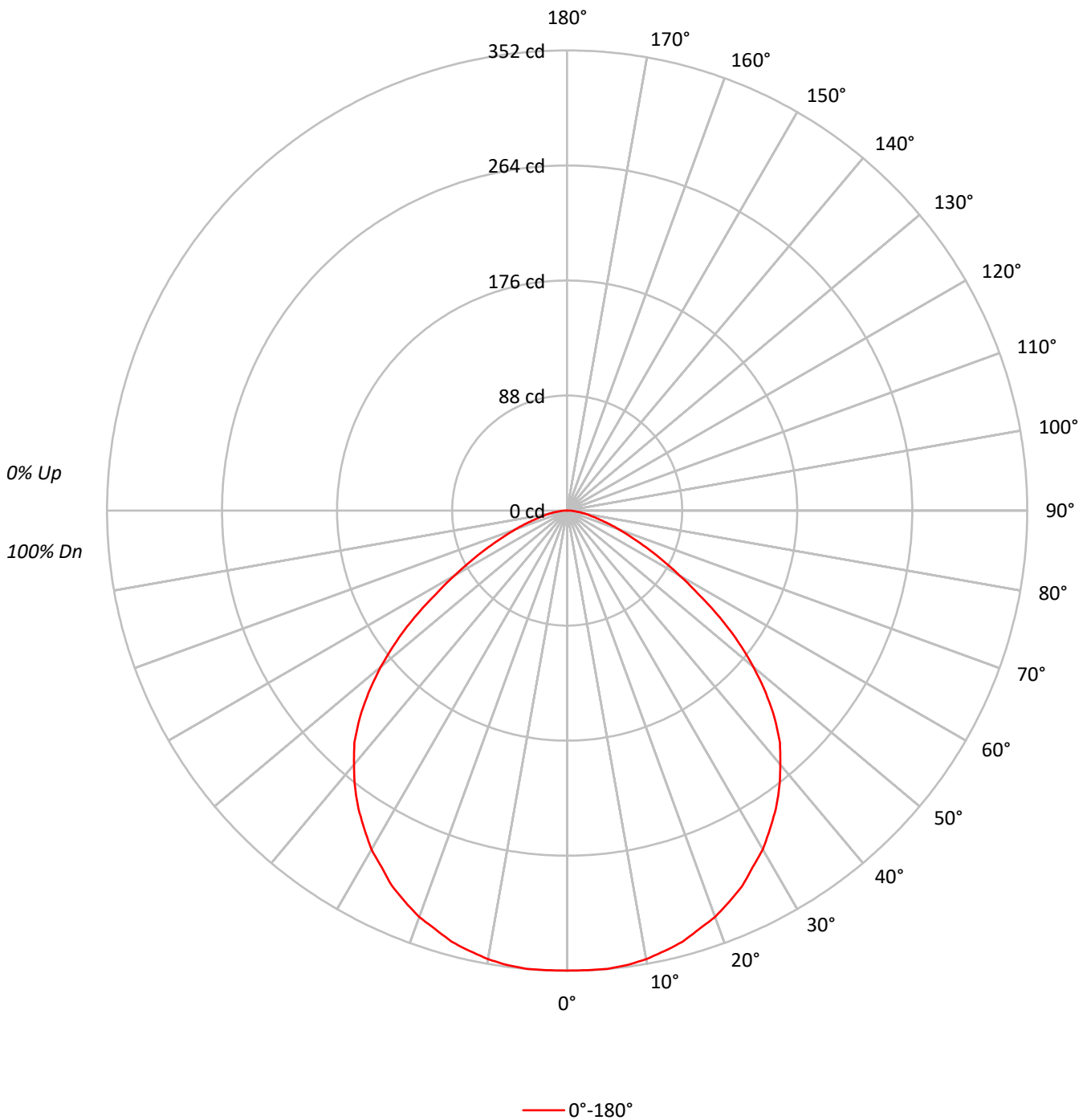
Lumens per Lamp: N/A
Luminaire Lumens: 849.6 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P127995
CATALOG NUMBER: RL560WH9927

Luminous Intensity Polar Plot





TEST NUMBER: P127995
 CATALOG NUMBER: RL560WH9927

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°	27779
5°	27885
10°	27927
15°	27901
20°	27790
25°	27603
30°	27282
35°	26820
40°	26144
45°	25063
50°	22843
55°	19640
60°	15693
65°	12459
70°	9717
75°	7503
80°	6364
85°	5344



TEST NUMBER: P127995
 CATALOG NUMBER: RL560WH9927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	3.9
10°-20°	96.2	11.3
20°-30°	145.7	17.2
30°-40°	173.8	20.5
40°-50°	171.8	20.2
50°-60°	127.0	14.9
60°-70°	67.1	7.9
70°-80°	27.4	3.2
80°-90°	7.0	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°	275.5	32.4
0°-40°	449.2	52.9
0°-60°	748.0	88.0
0°-90°	849.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	849.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	352	33
15°	341	96
25°	317	146
35°	278	174
45°	224	172
55°	143	127
65°	67	67
75°	25	27
85°	6	7
90°	0	



TEST NUMBER: P127995
CATALOG NUMBER: RL560WH9927

CANDELA DISTRIBUTION (FULL):

	0°
0°	351.9
2.5°	351.9
5°	351.9
7.5°	350.7
10°	348.4
12.5°	345.0
15°	341.4
17.5°	335.6
20°	330.8
22.5°	323.9
25°	316.9
27.5°	307.4
30°	299.3
32.5°	288.7
35°	278.3
37.5°	266.6
40°	253.7
42.5°	240.9
45°	224.5
47.5°	205.8
50°	186.0
52.5°	164.9
55°	142.7
57.5°	119.3
60°	99.4
62.5°	81.9
65°	66.7
67.5°	52.6
70°	42.1
72.5°	32.7
75°	24.6
77.5°	18.7
80°	14.0
82.5°	9.4
85°	5.9
87.5°	3.5
90°	0.0

(END OF REPORT)