

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: P127991

Luminaire Tested: **RL560WH9935**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P127991  
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: RL560WH9935  
Description: HALO 5/6" LED RETROFIT MODULE LED DOWNLIGHT WITH A WHITE TRIM  
Light Source: [1] 3500K LED  
Ballast/Driver: [1] ELECTRONIC DRIVER

**Summary**

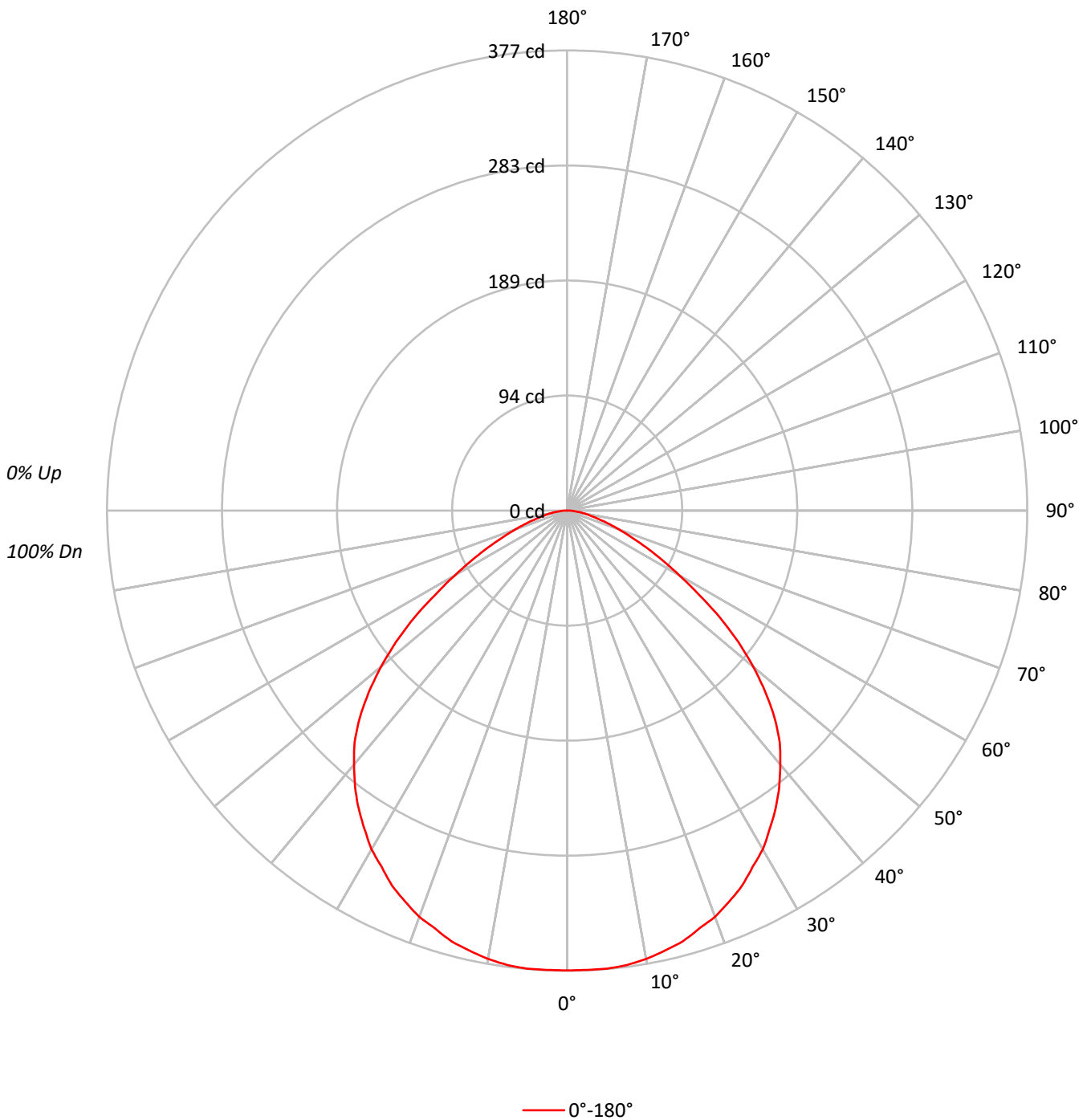
Lumens per Lamp: N/A  
Luminaire Lumens: 909.5 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

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°	29737
5°	29851
10°	29899
15°	29871
20°	29755
25°	29545
30°	29215
35°	28708
40°	27988
45°	26838
50°	24452
55°	21016
60°	16799
65°	13337
70°	10409
75°	8022
80°	6819
85°	5706



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.8	3.9
10°-20°	103.0	11.3
20°-30°	156.0	17.2
30°-40°	186.1	20.5
40°-50°	183.9	20.2
50°-60°	135.9	14.9
60°-70°	71.8	7.9
70°-80°	29.3	3.2
80°-90°	7.5	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°	294.9	32.4
0°-40°	481.0	52.9
0°-60°	800.8	88.0
0°-90°	909.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	909.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	377	
5°	377	36
15°	366	103
25°	339	156
35°	298	186
45°	240	184
55°	153	136
65°	71	72
75°	26	29
85°	6	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	376.7
2.5°	376.7
5°	376.7
7.5°	375.5
10°	373.0
12.5°	369.3
15°	365.5
17.5°	359.2
20°	354.2
22.5°	346.8
25°	339.2
27.5°	329.1
30°	320.5
32.5°	309.1
35°	297.9
37.5°	285.5
40°	271.6
42.5°	257.9
45°	240.4
47.5°	220.4
50°	199.1
52.5°	176.5
55°	152.7
57.5°	127.7
60°	106.4
62.5°	87.6
65°	71.4
67.5°	56.3
70°	45.1
72.5°	35.0
75°	26.3
77.5°	20.0
80°	15.0
82.5°	10.1
85°	6.3
87.5°	3.8
90°	0.0

(END OF REPORT)