

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: P127986

Luminaire Tested: **RL560WH9835R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P127986  
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: RL560WH9835R  
Description: HALO 5/6" LED RETROFIT MODULE LED DOWNLIGHT WITH A WHITE TRIM  
Light Source: [1] 3500K LED  
Ballast/Driver: [1] ELECTRONIC DRIVER

**Summary**

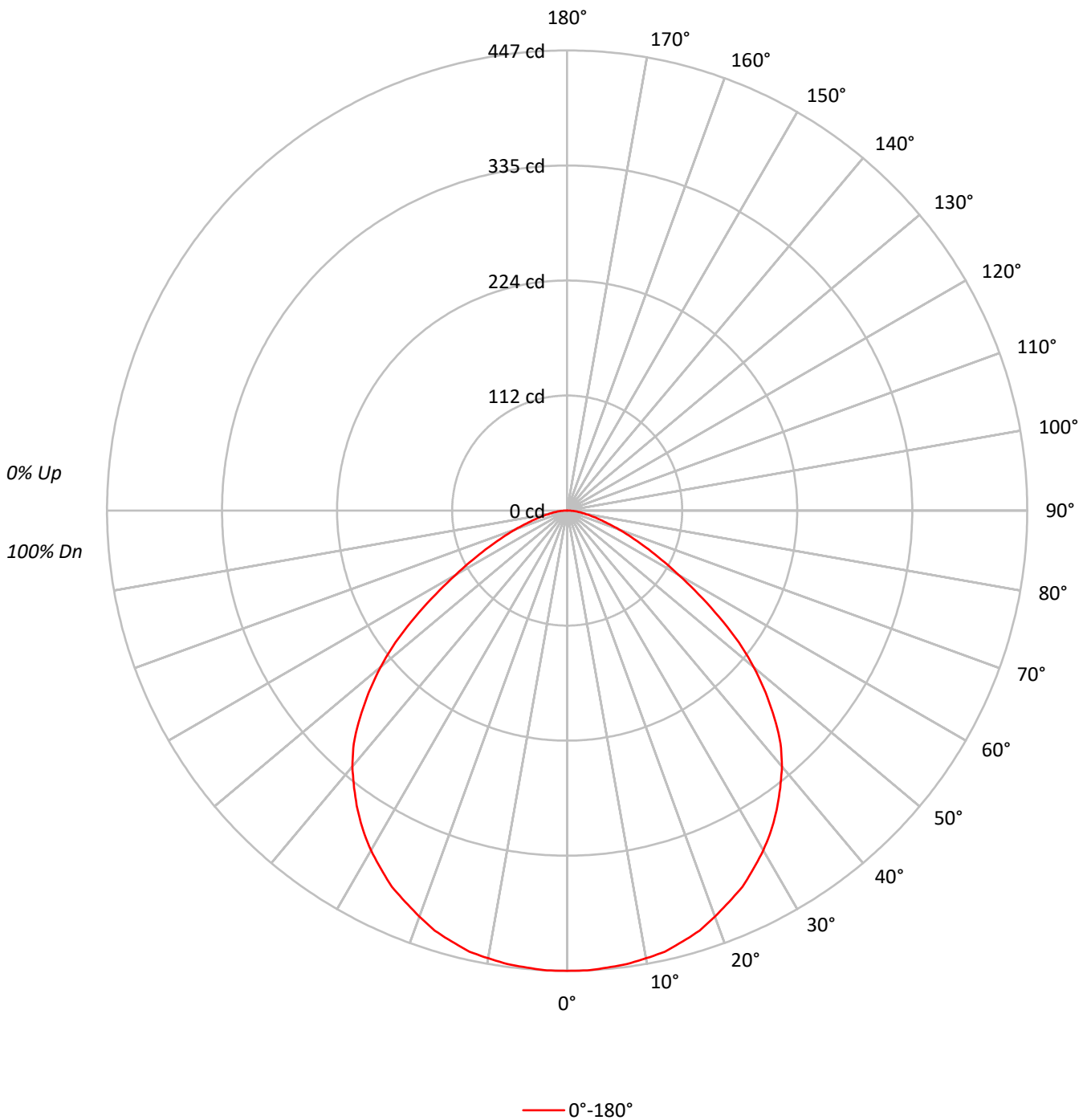
Lumens per Lamp: N/A  
Luminaire Lumens: 1080.2 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

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°	35294
5°	35318
10°	35398
15°	35420
20°	35258
25°	35111
30°	34738
35°	34211
40°	33450
45°	31795
50°	29069
55°	24801
60°	19751
65°	15672
70°	12394
75°	9638
80°	7501
85°	7518



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	3.9
10°-20°	122.3	11.3
20°-30°	185.4	17.2
30°-40°	221.8	20.5
40°-50°	218.6	20.2
50°-60°	161.2	14.9
60°-70°	84.9	7.9
70°-80°	34.6	3.2
80°-90°	9.0	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°	350.2	32.4
0°-40°	571.9	52.9
0°-60°	951.7	88.1
0°-90°	1080.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1080.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	447	
5°	446	42
15°	433	122
25°	403	185
35°	355	222
45°	285	219
55°	180	161
65°	84	85
75°	32	35
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	447.1
2.5°	447.1
5°	445.7
7.5°	444.3
10°	441.6
12.5°	438.9
15°	433.4
17.5°	427.8
20°	419.7
22.5°	411.3
25°	403.1
27.5°	392.0
30°	381.1
32.5°	368.7
35°	355.0
37.5°	339.9
40°	324.6
42.5°	306.9
45°	284.8
47.5°	261.4
50°	236.7
52.5°	210.4
55°	180.2
57.5°	151.4
60°	125.1
62.5°	103.2
65°	83.9
67.5°	67.4
70°	53.7
72.5°	41.3
75°	31.6
77.5°	23.5
80°	16.5
82.5°	12.3
85°	8.3
87.5°	4.2
90°	0.0

(END OF REPORT)