

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: P127990

Luminaire Tested: **RL560WH9930R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P127990  
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: RL560WH9930R  
Description: HALO 5/6" LED RETROFIT MODULE LED DOWNLIGHT WITH A WHITE TRIM  
Light Source: [1] 3000K LED  
Ballast/Driver: [1] ELECTRONIC DRIVER

**Summary**

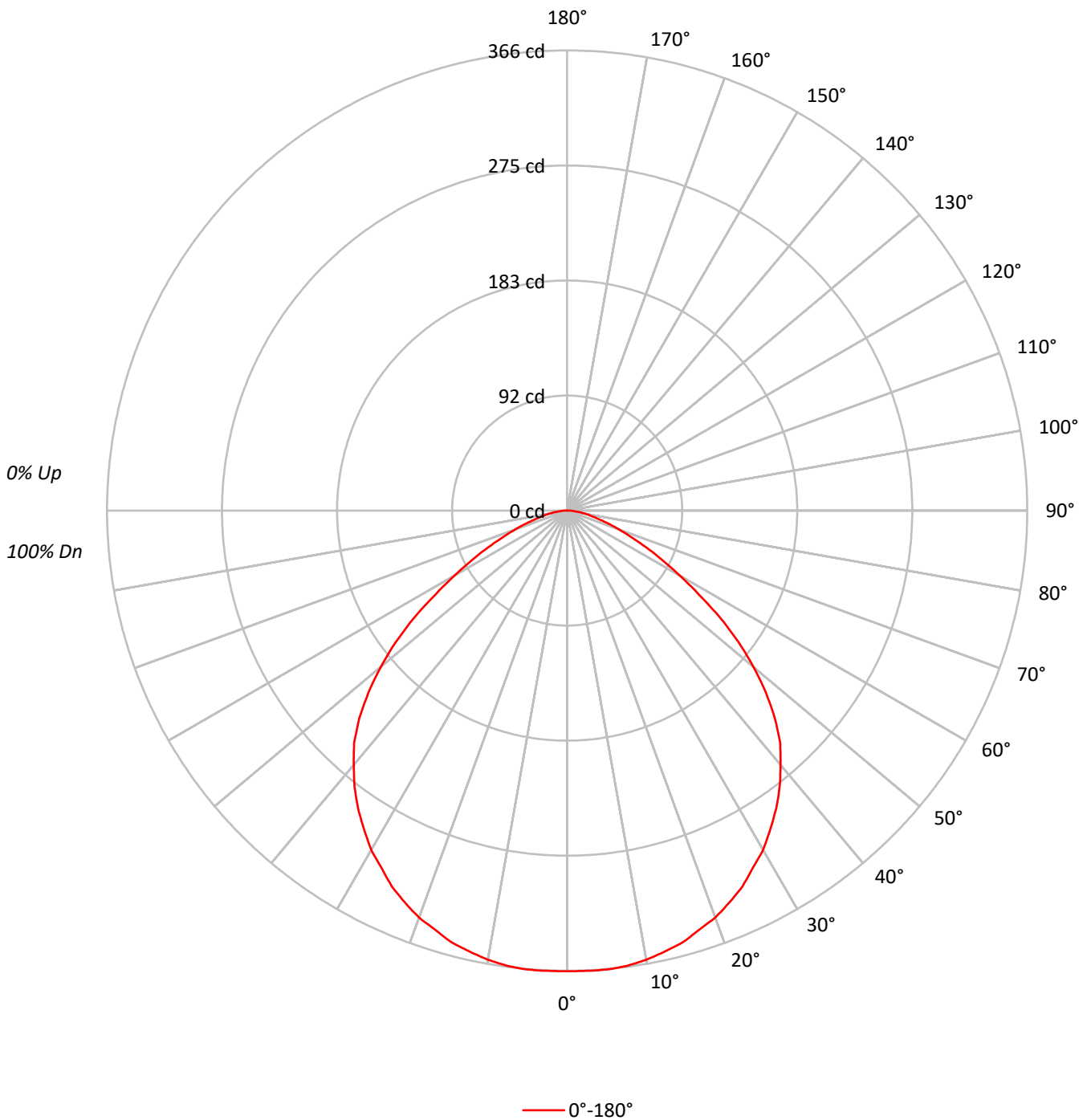
Lumens per Lamp: N/A  
Luminaire Lumens: 884.5 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

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	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°	28924
5°	29034
10°	29074
15°	29053
20°	28940
25°	28735
30°	28412
35°	27918
40°	27216
45°	26101
50°	23776
55°	20438
60°	16341
65°	12963
70°	10109
75°	7808
80°	6637
85°	5525



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.9	3.9
10°-20°	100.2	11.3
20°-30°	151.8	17.2
30°-40°	180.9	20.5
40°-50°	178.9	20.2
50°-60°	132.2	14.9
60°-70°	69.8	7.9
70°-80°	28.5	3.2
80°-90°	7.3	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°	286.8	32.4
0°-40°	467.8	52.9
0°-60°	778.8	88.1
0°-90°	884.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	366	
5°	366	35
15°	356	100
25°	330	152
35°	290	181
45°	234	179
55°	148	132
65°	69	70
75°	26	29
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	366.4
2.5°	366.4
5°	366.4
7.5°	365.2
10°	362.7
12.5°	359.2
15°	355.5
17.5°	349.4
20°	344.5
22.5°	337.3
25°	329.9
27.5°	320.1
30°	311.7
32.5°	300.6
35°	289.7
37.5°	277.6
40°	264.1
42.5°	250.8
45°	233.8
47.5°	214.3
50°	193.6
52.5°	171.7
55°	148.5
57.5°	124.2
60°	103.5
62.5°	85.2
65°	69.4
67.5°	54.7
70°	43.8
72.5°	34.0
75°	25.6
77.5°	19.5
80°	14.6
82.5°	9.8
85°	6.1
87.5°	3.7
90°	0.0

(END OF REPORT)