

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: P127983

Luminaire Tested: **RL560WH9830**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P127983
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: RL560WH9830
Description: HALO 5/6" LED RETROFIT MODULE LED DOWNLIGHT WITH A WHITE TRIM
Light Source: [1] 3000K LED
Ballast/Driver: [1] ELECTRONIC DRIVER

Summary

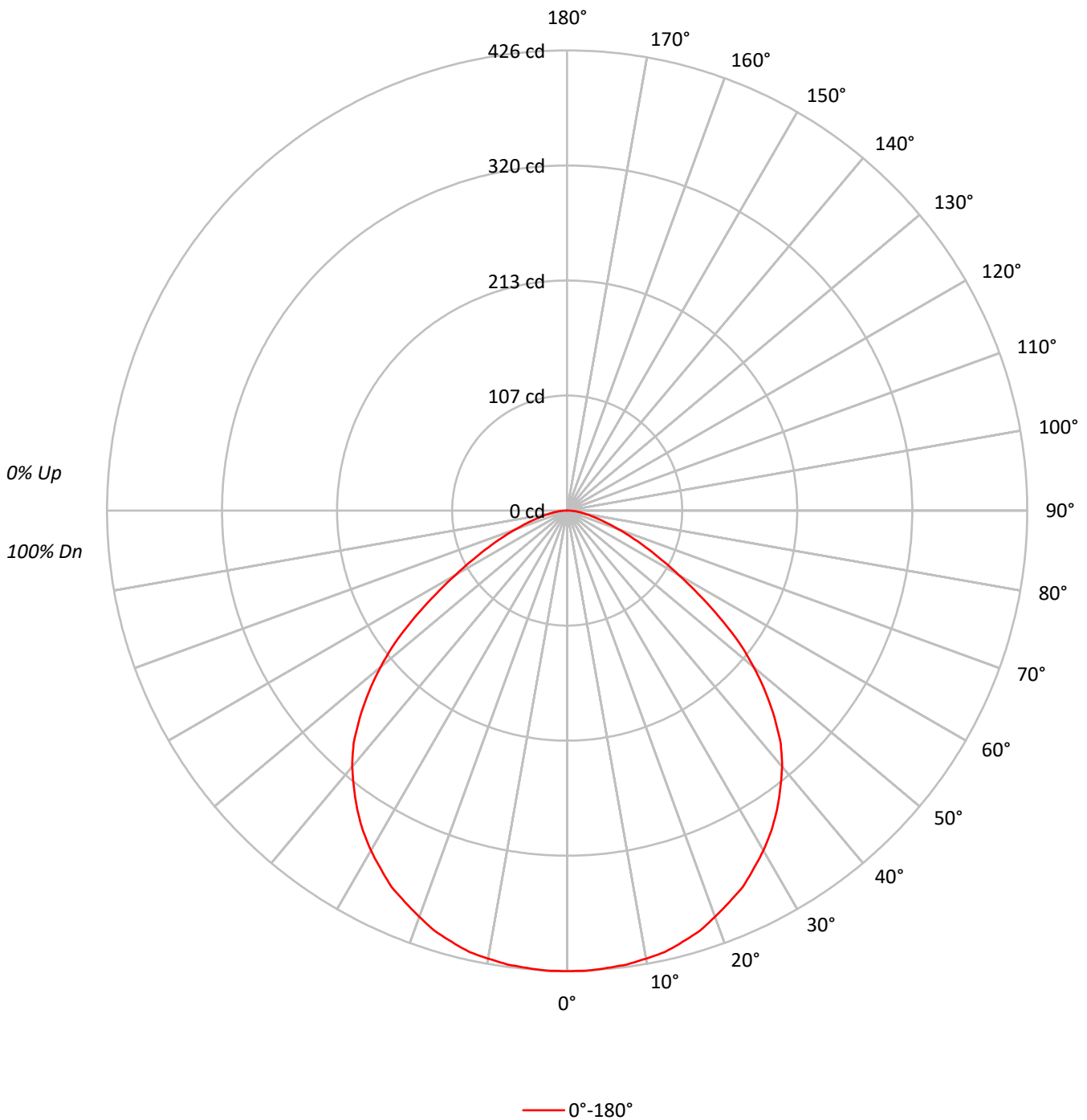
Lumens per Lamp: N/A
Luminaire Lumens: 1030.2 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 13.5
Input Voltage (V): NR
Input Current (A_{in}): 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°	33660
5°	33686
10°	33755
15°	33777
20°	33620
25°	33491
30°	33125
35°	32631
40°	31904
45°	30321
50°	27718
55°	23658
60°	18835
65°	14943
70°	11817
75°	9211
80°	7137
85°	7155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	3.9
10°-20°	116.7	11.3
20°-30°	176.8	17.2
30°-40°	211.5	20.5
40°-50°	208.4	20.2
50°-60°	153.7	14.9
60°-70°	81.0	7.9
70°-80°	33.0	3.2
80°-90°	8.6	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°	334.0	32.4
0°-40°	545.5	52.9
0°-60°	907.6	88.1
0°-90°	1030.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1030.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	426	
5°	425	40
15°	413	117
25°	384	177
35°	339	212
45°	272	208
55°	172	154
65°	80	81
75°	30	33
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	426.4
2.5°	426.4
5°	425.1
7.5°	423.8
10°	421.1
12.5°	418.6
15°	413.3
17.5°	408.0
20°	400.2
22.5°	392.3
25°	384.5
27.5°	373.9
30°	363.4
32.5°	351.7
35°	338.6
37.5°	324.2
40°	309.6
42.5°	292.7
45°	271.6
47.5°	249.3
50°	225.7
52.5°	200.7
55°	171.9
57.5°	144.3
60°	119.3
62.5°	98.4
65°	80.0
67.5°	64.3
70°	51.2
72.5°	39.4
75°	30.2
77.5°	22.4
80°	15.7
82.5°	11.8
85°	7.9
87.5°	4.0
90°	0.0

(END OF REPORT)