

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: P212687

Luminaire Tested: **RL560WH12927**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212687  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27976)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RL560WH12927  
Description: 1200 lumen RL56 LED Downlight  
  
Light Source: -  
Ballast/Driver: -

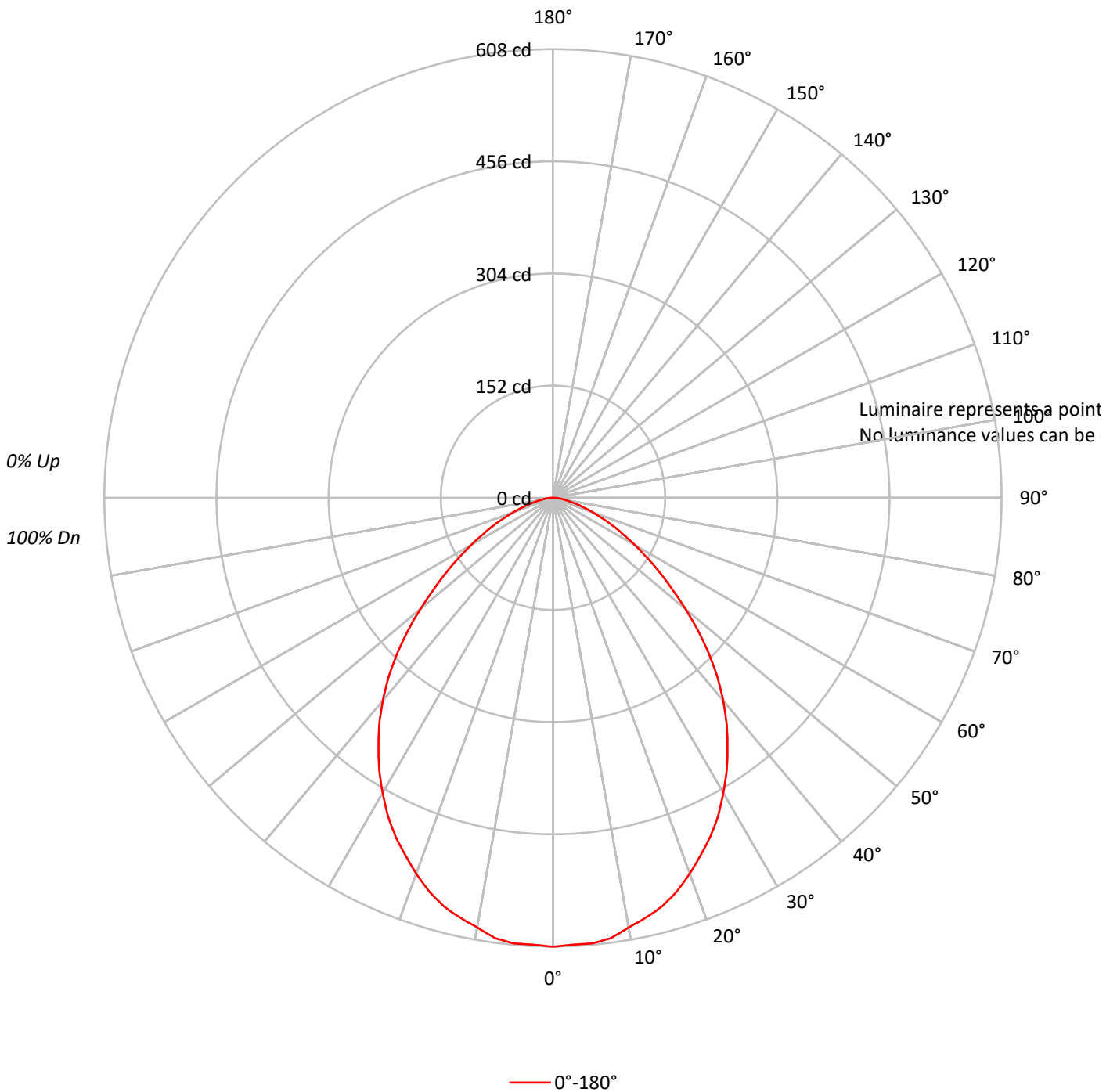
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1230.0 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.22  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct  
  
Input Watts (W): 17.6  
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





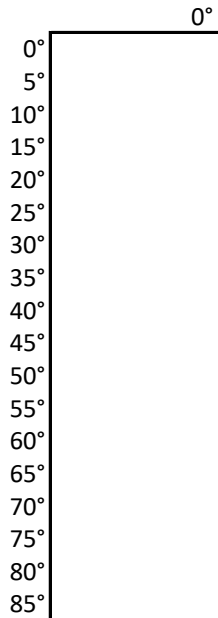
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	111	107	103	100	108	104	101	98	100	98	95		96	94	92		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82		87	83	80		84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	70		78	73	69		76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62		71	65	61		69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54		64	58	54		62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48		59	53	48		57	52	48	46
7	70	58	49	44	68	57	49	44	55	48	43		54	48	43		53	47	43	41
8	65	53	45	40	64	52	45	39	51	44	39		50	44	39		49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36		46	40	36		45	40	35	34
10	58	45	38	33	56	45	38	33	44	37	33		43	37	33		42	36	32	31

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	4.7
10°-20°	160.9	13.1
20°-30°	232.2	18.9
30°-40°	257.4	20.9
40°-50°	229.4	18.7
50°-60°	158.9	12.9
60°-70°	89.0	7.2
70°-80°	36.2	2.9
80°-90°	8.4	0.7
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°	450.6	36.6
0°-40°	708.0	57.6
0°-60°	1096.4	89.1
0°-90°	1230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1230.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	608	
5°	606	57
15°	573	161
25°	506	232
35°	412	257
45°	299	229
55°	177	159
65°	89	89
75°	33	36
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	608.3
2.5°	606.1
5°	606.1
7.5°	601.8
10°	591.1
12.5°	582.6
15°	572.9
17.5°	559.0
20°	541.9
22.5°	523.7
25°	505.5
27.5°	485.1
30°	461.6
32.5°	438.0
35°	412.3
37.5°	386.6
40°	358.7
42.5°	329.8
45°	298.8
47.5°	266.7
50°	234.5
52.5°	203.5
55°	176.7
57.5°	151.0
60°	128.5
62.5°	107.1
65°	88.9
67.5°	71.7
70°	56.8
72.5°	43.9
75°	33.2
77.5°	23.6
80°	17.1
82.5°	11.8
85°	7.5
87.5°	3.2
90°	0.0

(END OF REPORT)