

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: P212690

Luminaire Tested: **RL560WH12940**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212690  
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: RL560WH12940  
Description: 1200 lumen RL56 LED Downlight  
  
Light Source: -  
Ballast/Driver: -

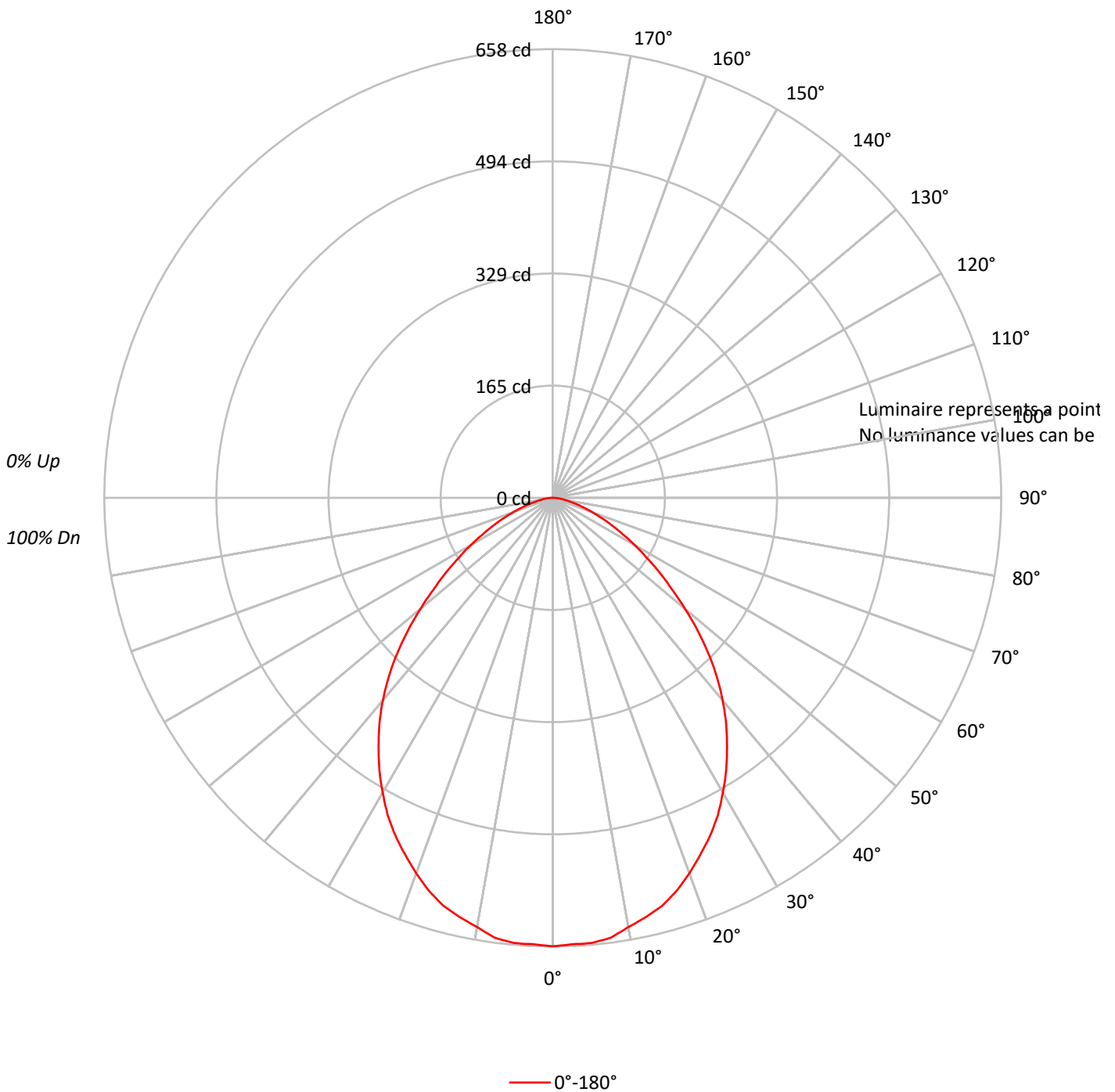
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1330.0 lumens  
Efficiency: N/A  
Efficacy: 75.6 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





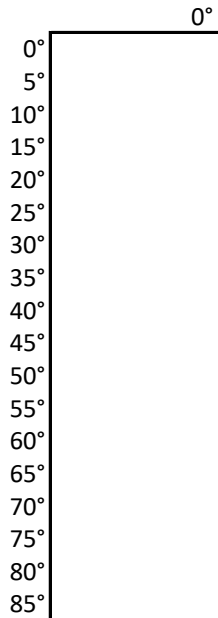
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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°	62.1	4.7
10°-20°	174.0	13.1
20°-30°	251.1	18.9
30°-40°	278.3	20.9
40°-50°	248.1	18.7
50°-60°	171.9	12.9
60°-70°	96.2	7.2
70°-80°	39.2	2.9
80°-90°	9.1	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°	487.2	36.6
0°-40°	765.5	57.6
0°-60°	1185.5	89.1
0°-90°	1330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1330.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	658	
5°	655	62
15°	620	174
25°	547	251
35°	446	278
45°	323	248
55°	191	172
65°	96	96
75°	36	39
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	657.7
2.5°	655.4
5°	655.4
7.5°	650.8
10°	639.2
12.5°	629.9
15°	619.5
17.5°	604.4
20°	585.9
22.5°	566.2
25°	546.6
27.5°	524.6
30°	499.1
32.5°	473.6
35°	445.8
37.5°	418.0
40°	387.9
42.5°	356.6
45°	323.1
47.5°	288.3
50°	253.6
52.5°	220.0
55°	191.1
57.5°	163.3
60°	139.0
62.5°	115.8
65°	96.1
67.5°	77.6
70°	61.4
72.5°	47.5
75°	35.9
77.5°	25.5
80°	18.5
82.5°	12.7
85°	8.1
87.5°	3.5
90°	0.0

(END OF REPORT)