

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: P212689

Luminaire Tested: **RL560WH12935**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212689
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: RL560WH12935
Description: 1200 lumen RL56 LED Downlight

Light Source: -
Ballast/Driver: -

Summary

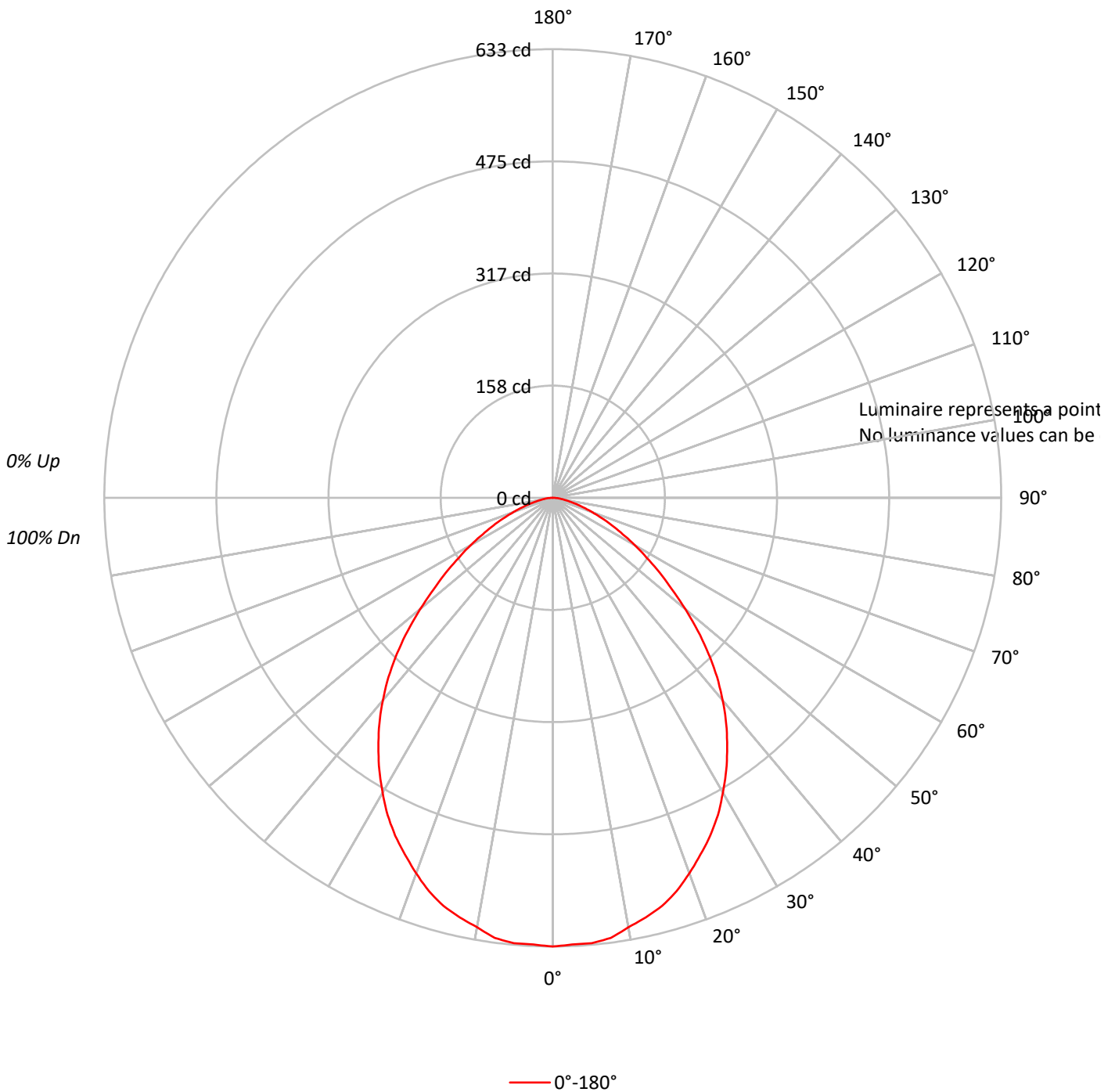
Lumens per Lamp: N/A
Luminaire Lumens: 1280.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.22
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 17.6
Input Voltage (V): NR
Input Current (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



TEST NUMBER: P212689
CATALOG NUMBER: RL560WH12935

Luminous Intensity Polar Plot





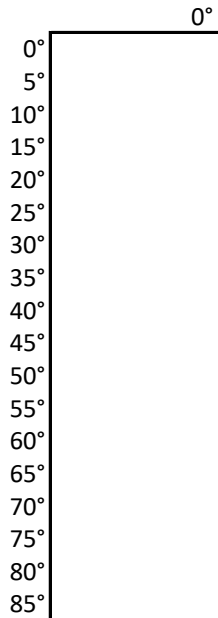
TEST NUMBER: P212689

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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):





TEST NUMBER: P212689

CATALOG NUMBER: RL560WH12935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	4.7
10°-20°	167.5	13.1
20°-30°	241.6	18.9
30°-40°	267.9	20.9
40°-50°	238.8	18.7
50°-60°	165.4	12.9
60°-70°	92.6	7.2
70°-80°	37.7	2.9
80°-90°	8.8	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°	468.9	36.6
0°-40°	736.7	57.6
0°-60°	1140.9	89.1
0°-90°	1280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	633	
5°	631	60
15°	596	167
25°	526	242
35°	429	268
45°	311	239
55°	184	165
65°	92	93
75°	34	38
85°	8	9
90°	0	



TEST NUMBER: P212689

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CANDELA DISTRIBUTION (FULL):

	0°
0°	633.0
2.5°	630.8
5°	630.8
7.5°	626.3
10°	615.2
12.5°	606.2
15°	596.2
17.5°	581.7
20°	563.9
22.5°	544.9
25°	526.0
27.5°	504.8
30°	480.3
32.5°	455.8
35°	429.1
37.5°	402.3
40°	373.3
42.5°	343.2
45°	310.9
47.5°	277.5
50°	244.1
52.5°	211.7
55°	183.9
57.5°	157.1
60°	133.7
62.5°	111.4
65°	92.5
67.5°	74.7
70°	59.1
72.5°	45.7
75°	34.5
77.5°	24.5
80°	17.8
82.5°	12.3
85°	7.8
87.5°	3.3
90°	0.0

(END OF REPORT)