

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: P212691

Luminaire Tested: **RL560WH12950**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212691
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: RL560WH12950
Description: 1200 lumen RL56 LED Downlight

Light Source: -
Ballast/Driver: -

Summary

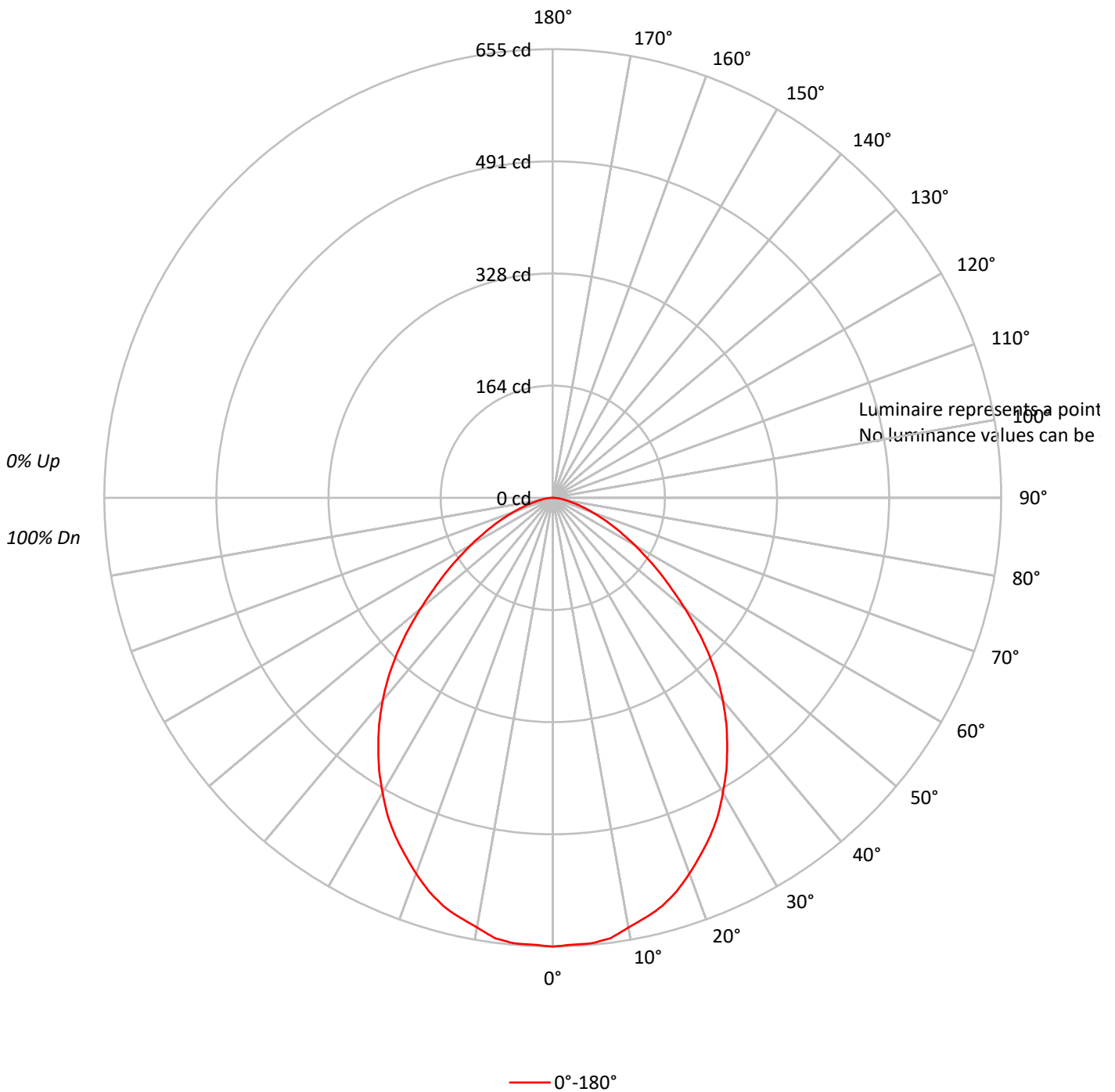
Lumens per Lamp: N/A
Luminaire Lumens: 1325.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.22
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

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: P212691
CATALOG NUMBER: RL560WH12950

Luminous Intensity Polar Plot





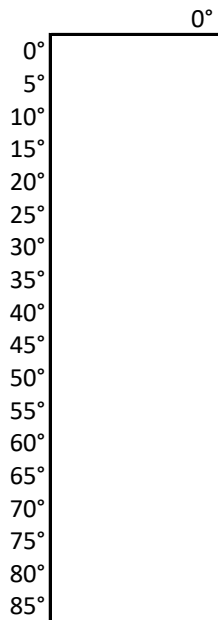
TEST NUMBER: P212691

CATALOG NUMBER: RL560WH12950

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: P212691

CATALOG NUMBER: RL560WH12950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	4.7
10°-20°	173.4	13.1
20°-30°	250.1	18.9
30°-40°	277.3	20.9
40°-50°	247.2	18.7
50°-60°	171.2	12.9
60°-70°	95.8	7.2
70°-80°	39.1	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°	485.4	36.6
0°-40°	762.6	57.6
0°-60°	1181.0	89.1
0°-90°	1325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	655	
5°	653	62
15°	617	173
25°	544	250
35°	444	277
45°	322	247
55°	190	171
65°	96	96
75°	36	39
85°	8	9
90°	0	



TEST NUMBER: P212691

CATALOG NUMBER: RL560WH12950

CANDELA DISTRIBUTION (FULL):

	0°
0°	655.2
2.5°	652.9
5°	652.9
7.5°	648.3
10°	636.8
12.5°	627.6
15°	617.2
17.5°	602.2
20°	583.7
22.5°	564.1
25°	544.5
27.5°	522.6
30°	497.2
32.5°	471.8
35°	444.1
37.5°	416.4
40°	386.5
42.5°	355.3
45°	321.9
47.5°	287.2
50°	252.6
52.5°	219.2
55°	190.3
57.5°	162.7
60°	138.4
62.5°	115.4
65°	95.7
67.5°	77.3
70°	61.1
72.5°	47.3
75°	35.8
77.5°	25.4
80°	18.5
82.5°	12.7
85°	8.1
87.5°	3.5
90°	0.0

(END OF REPORT)