

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: P#

Luminaire Tested: **RL560WHZHA69-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27627)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RL560WHZHA69-2700K
Description: RL56 Wireless
Light Source: -
Ballast/Driver: -

Summary

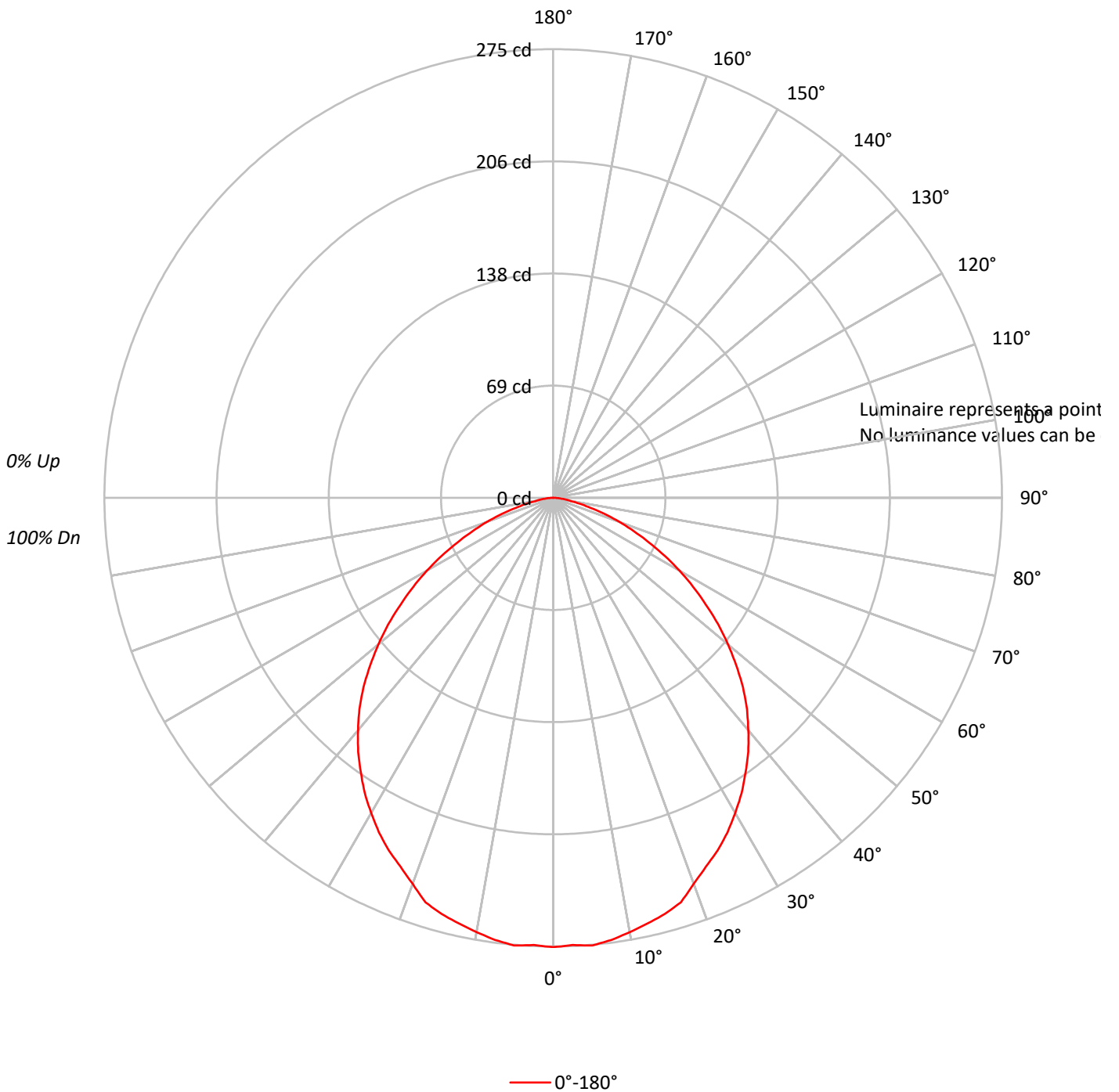
Lumens per Lamp: N/A
Luminaire Lumens: 663.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.31
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 9.399533333333333
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





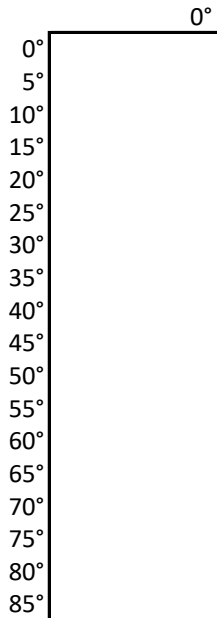
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	106	102	99	107	104	100	97	99	96	94		95	93	91		92	90	88	86
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67		76	70	66		73	69	65	63
4	85	74	66	59	83	73	65	59	70	63	58		68	62	57		66	61	57	55
5	78	66	58	52	76	65	57	51	63	56	51		61	55	50		59	54	50	48
6	73	60	51	45	71	59	51	45	57	50	45		56	49	44		54	48	44	42
7	67	55	46	40	66	54	46	40	52	45	40		51	44	40		49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36		47	40	36		46	40	35	33
9	59	46	38	33	57	45	38	32	44	37	32		43	37	32		42	36	32	30
10	55	42	35	30	54	42	35	30	41	34	29		40	34	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	3.9
10°-20°	74.3	11.2
20°-30°	109.7	16.5
30°-40°	128.5	19.4
40°-50°	126.3	19.1
50°-60°	102.2	15.4
60°-70°	64.6	9.7
70°-80°	26.2	4.0
80°-90°	5.0	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°	210.2	31.7
0°-40°	338.7	51.1
0°-60°	567.3	85.5
0°-90°	663.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	275	
5°	275	26
15°	264	74
25°	238	110
35°	206	129
45°	164	126
55°	114	102
65°	65	65
75°	24	26
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	275.4
2.5°	274.4
5°	275.4
7.5°	273.3
10°	270.3
12.5°	267.2
15°	264.1
17.5°	260.0
20°	251.8
22.5°	244.6
25°	238.4
27.5°	231.2
30°	223.0
32.5°	214.8
35°	205.5
37.5°	196.3
40°	186.0
42.5°	175.7
45°	164.4
47.5°	152.1
50°	139.8
52.5°	127.4
55°	114.1
57.5°	101.7
60°	89.4
62.5°	77.1
65°	64.7
67.5°	53.4
70°	43.2
72.5°	32.9
75°	23.6
77.5°	16.4
80°	10.3
82.5°	7.2
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)