

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: **RL560WHZHA69-3500K**

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: RL560WHZHA69-3500K  
Description: RL56 Wireless  
Light Source: -  
Ballast/Driver: -

**Summary**

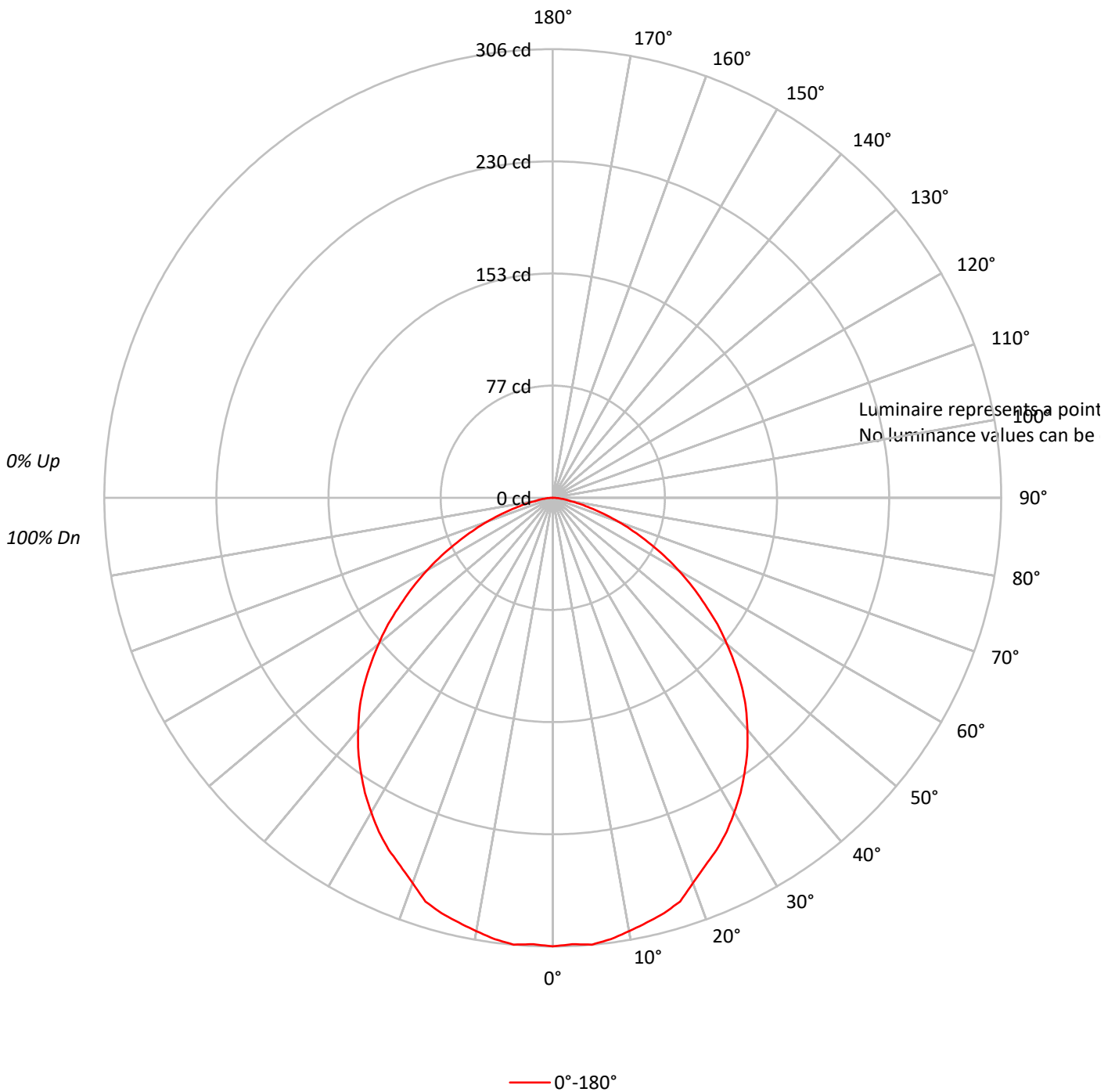
Lumens per Lamp: N/A  
Luminaire Lumens: 736.5 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.31  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

Input Watts (W): 9.585233333333333  
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





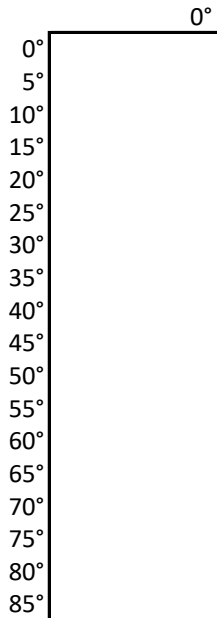
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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°	29.0	3.9
10°-20°	82.5	11.2
20°-30°	121.9	16.5
30°-40°	142.7	19.4
40°-50°	140.3	19.1
50°-60°	113.6	15.4
60°-70°	71.7	9.7
70°-80°	29.1	4.0
80°-90°	5.6	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°	233.4	31.7
0°-40°	376.1	51.1
0°-60°	630.0	85.5
0°-90°	736.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	306	
5°	306	29
15°	293	83
25°	265	122
35°	228	143
45°	183	140
55°	127	114
65°	72	72
75°	26	29
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	305.9
2.5°	304.7
5°	305.9
7.5°	303.6
10°	300.1
12.5°	296.7
15°	293.3
17.5°	288.7
20°	279.6
22.5°	271.6
25°	264.8
27.5°	256.8
30°	247.7
32.5°	238.5
35°	228.3
37.5°	218.0
40°	206.6
42.5°	195.2
45°	182.6
47.5°	168.9
50°	155.2
52.5°	141.5
55°	126.7
57.5°	113.0
60°	99.3
62.5°	85.6
65°	71.9
67.5°	59.3
70°	47.9
72.5°	36.5
75°	26.2
77.5°	18.3
80°	11.4
82.5°	8.0
85°	4.6
87.5°	2.3
90°	0.0

(END OF REPORT)