

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: P303267

Luminaire Tested: **RL56129BLE40AWH-5000K**

Test Date: 04/23/2019

**Test Information**

Test Method: LM-41-14  
Report Number: P303267  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1906-359-1)  
Test Lab: INNOVATION CENTER(G1)  
Test Date: 04/23/2019  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RL56129BLE40AWH-5000K  
Description: 5/6" RD LENS, 1200LM, 90 BLE, 120V, MW, 5000K  
Light Source: (32) 90 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1279.4 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.29  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

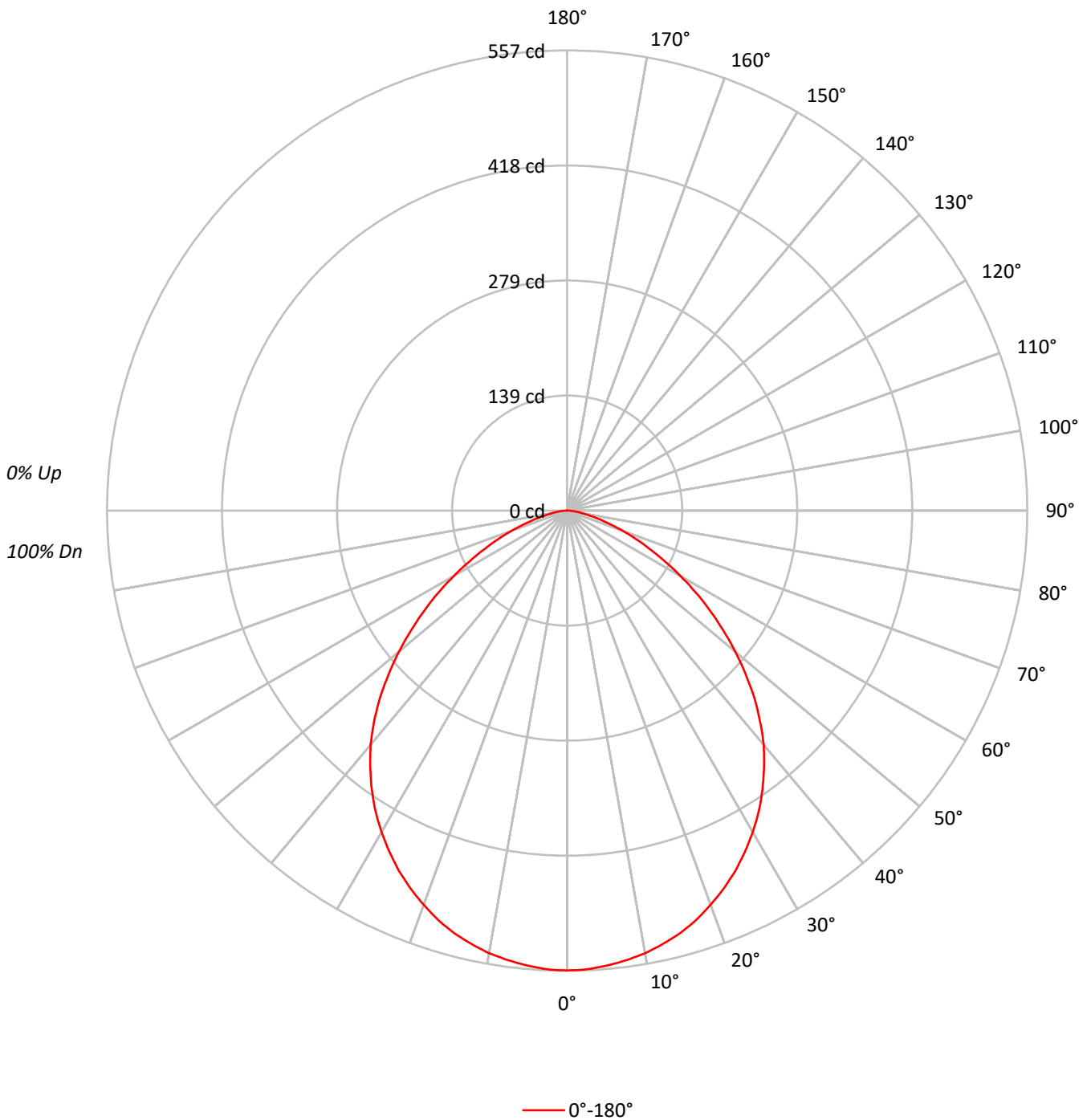
Input Watts (W): 14.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	104	101	97	100	97	94	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	74
3	93	84	76	70	91	82	75	70	79	73	69	76	72	67	74	70	66	64
4	86	75	67	61	84	73	66	60	71	65	59	69	63	59	67	62	58	56
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	68	56	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	43946
5°	43805
10°	43606
15°	43266
20°	42659
25°	41939
30°	40955
35°	39723
40°	38149
45°	35769
50°	32631
55°	29040
60°	24977
65°	20622
70°	16457
75°	12200
80°	8456
85°	7065



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.5	4.1
10°-20°	149.2	11.7
20°-30°	221.5	17.3
30°-40°	257.4	20.1
40°-50°	246.1	19.2
50°-60°	188.8	14.8
60°-70°	111.1	8.7
70°-80°	43.9	3.4
80°-90°	8.9	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°	423.2	33.1
0°-40°	680.6	53.2
0°-60°	1115.5	87.2
0°-90°	1279.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1279.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	557	
5°	553	52
15°	529	149
25°	482	222
35°	412	257
45°	320	246
55°	211	189
65°	110	111
75°	40	44
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	556.7
2.5°	555.8
5°	552.8
7.5°	548.9
10°	544.0
12.5°	537.2
15°	529.4
17.5°	519.6
20°	507.8
22.5°	495.2
25°	481.5
27.5°	465.8
30°	449.3
32.5°	431.7
35°	412.2
37.5°	391.6
40°	370.2
42.5°	345.7
45°	320.4
47.5°	293.0
50°	265.7
52.5°	238.3
55°	211.0
57.5°	184.6
60°	158.2
62.5°	133.8
65°	110.4
67.5°	90.8
70°	71.3
72.5°	54.7
75°	40.0
77.5°	27.3
80°	18.6
82.5°	12.7
85°	7.8
87.5°	3.0
90°	0.0

(END OF REPORT)