

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: P303269

Luminaire Tested: **RL56129BLE40AWH-3500K**

Test Date: 04/23/2019

Test Information

Test Method: LM-41-14
Report Number: P303269
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-3500K
Description: 5/6" RD LENS, 1200LM, 90 BLE, 120V, MW, 3500K
Light Source: (32) 90 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1261.4 lumens
Efficiency: N/A
Efficacy: 88.8 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

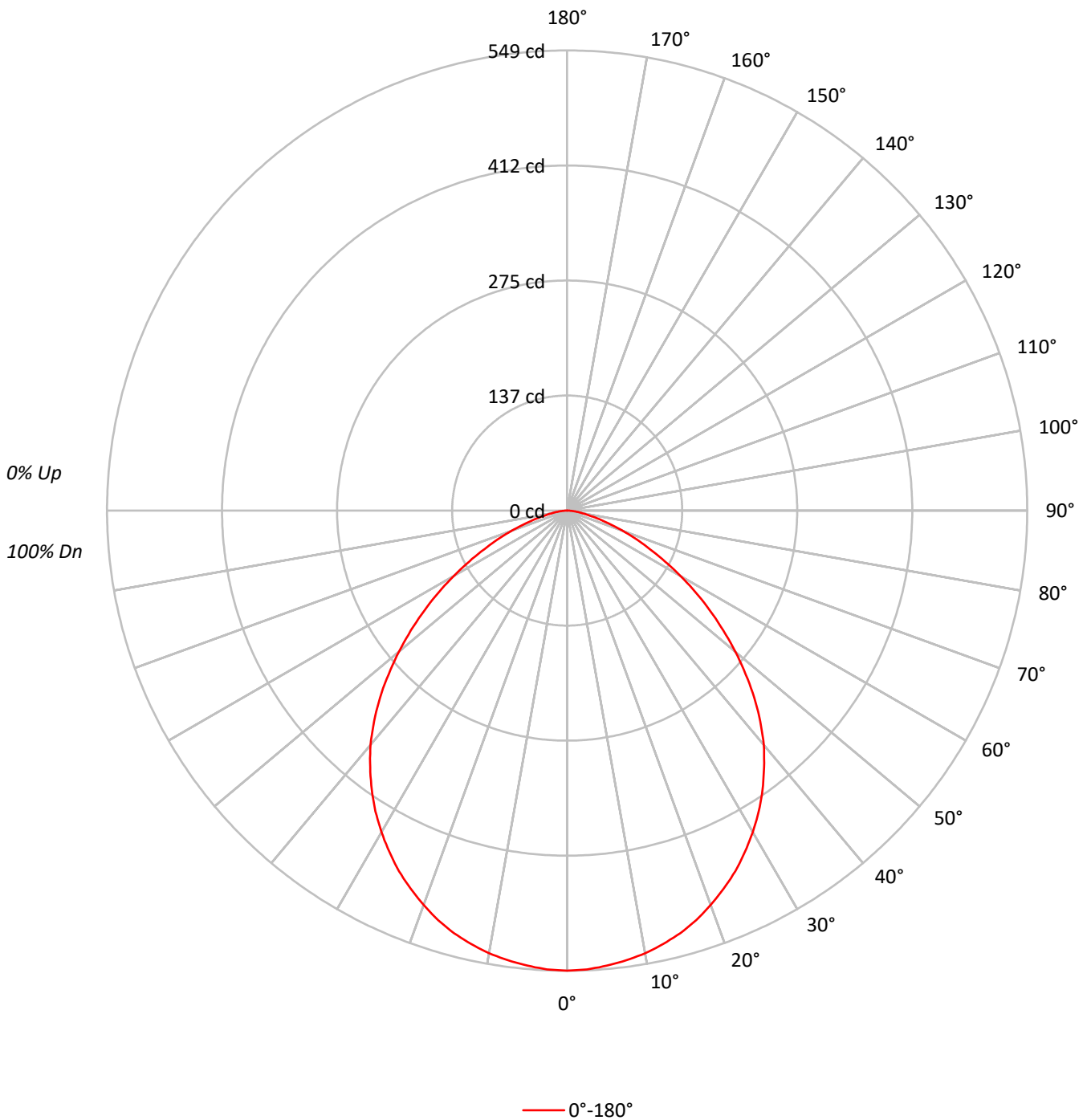
Input Watts (W): 14.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43331
5°	43187
10°	42989
15°	42653
20°	42062
25°	41347
30°	40381
35°	39164
40°	37613
45°	35267
50°	32164
55°	28627
60°	24630
65°	20323
70°	16226
75°	12048
80°	8319
85°	6974



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	4.1
10°-20°	147.1	11.7
20°-30°	218.4	17.3
30°-40°	253.8	20.1
40°-50°	242.7	19.2
50°-60°	186.1	14.8
60°-70°	109.5	8.7
70°-80°	43.3	3.4
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°	417.2	33.1
0°-40°	671.0	53.2
0°-60°	1099.8	87.2
0°-90°	1261.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1261.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	549	
5°	545	52
15°	522	147
25°	475	218
35°	406	254
45°	316	243
55°	208	186
65°	109	110
75°	40	43
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	548.9
2.5°	548.0
5°	545.0
7.5°	541.2
10°	536.3
12.5°	529.6
15°	521.9
17.5°	512.3
20°	500.7
22.5°	488.2
25°	474.7
27.5°	459.3
30°	443.0
32.5°	425.6
35°	406.4
37.5°	386.1
40°	365.0
42.5°	340.9
45°	315.9
47.5°	288.9
50°	261.9
52.5°	234.9
55°	208.0
57.5°	182.0
60°	156.0
62.5°	131.9
65°	108.8
67.5°	89.6
70°	70.3
72.5°	53.9
75°	39.5
77.5°	26.9
80°	18.3
82.5°	12.6
85°	7.7
87.5°	2.9
90°	0.0

(END OF REPORT)