

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: P303271

Luminaire Tested: **RL56129BLE40AWH-2700K**

Test Date: 04/23/2019

Test Information

Test Method: LM-41-14
Report Number: P303271
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-2700K
Description: 5/6" RD LENS, 1200LM, 90 BLE, 120V, MW, 2700K
Light Source: (32) 90 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

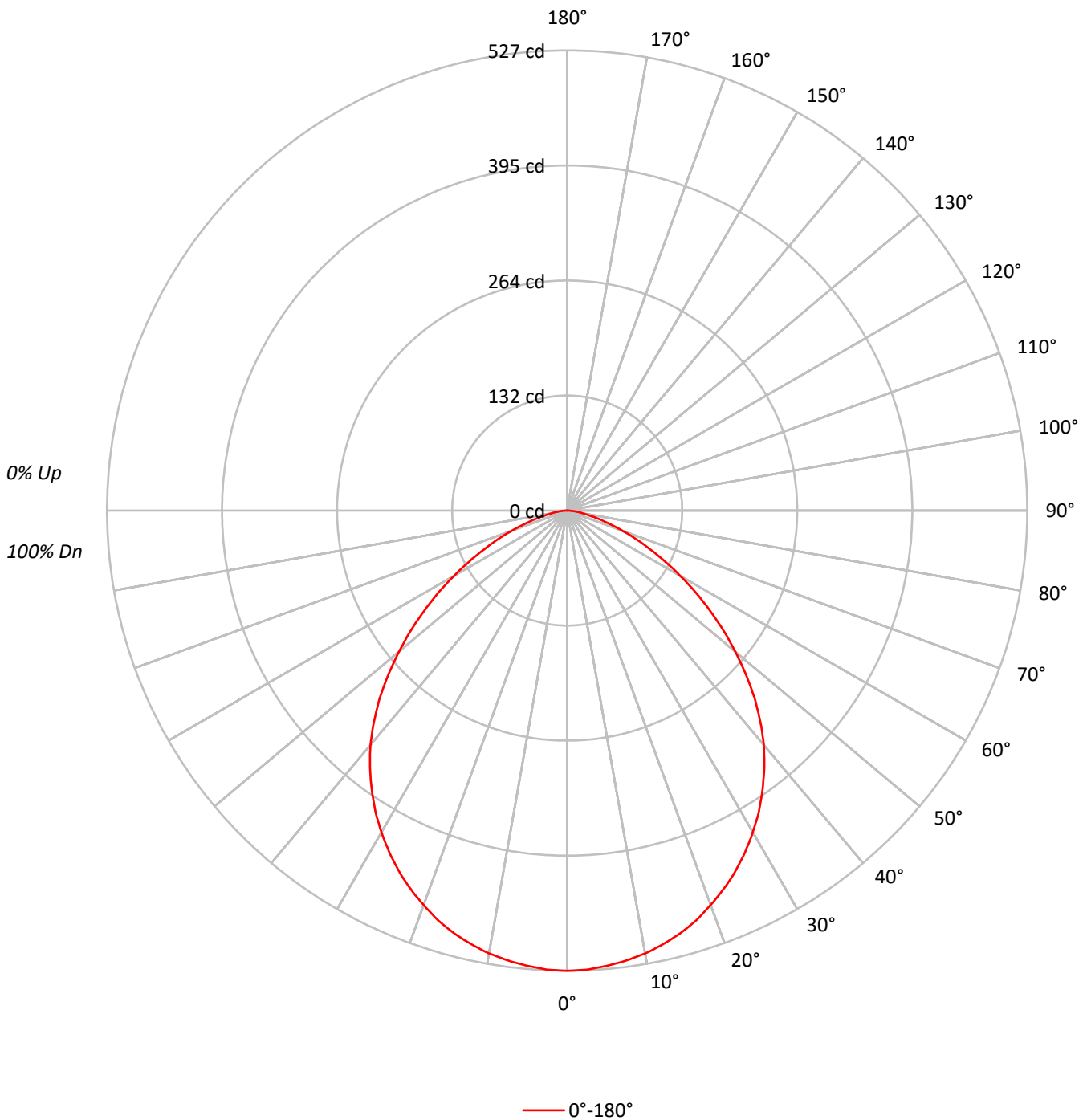
Lumens per Lamp: N/A
Luminaire Lumens: 1211.4 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.29
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 13.9
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°	41610
5°	41476
10°	41282
15°	40961
20°	40391
25°	39710
30°	38777
35°	37603
40°	36119
45°	33871
50°	30887
55°	27485
60°	23651
65°	19520
70°	15603
75°	11560
80°	8001
85°	6703



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	4.1
10°-20°	141.2	11.7
20°-30°	209.7	17.3
30°-40°	243.7	20.1
40°-50°	233.1	19.2
50°-60°	178.7	14.8
60°-70°	105.1	8.7
70°-80°	41.6	3.4
80°-90°	8.5	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°	400.7	33.1
0°-40°	644.4	53.2
0°-60°	1056.2	87.2
0°-90°	1211.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	527	
5°	523	50
15°	501	141
25°	456	210
35°	390	244
45°	303	233
55°	200	179
65°	104	105
75°	38	42
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	527.1
2.5°	526.2
5°	523.4
7.5°	519.7
10°	515.0
12.5°	508.6
15°	501.2
17.5°	492.0
20°	480.8
22.5°	468.9
25°	455.9
27.5°	441.1
30°	425.4
32.5°	408.7
35°	390.2
37.5°	370.8
40°	350.5
42.5°	327.4
45°	303.4
47.5°	277.4
50°	251.5
52.5°	225.6
55°	199.7
57.5°	174.8
60°	149.8
62.5°	126.6
65°	104.5
67.5°	86.0
70°	67.6
72.5°	51.8
75°	37.9
77.5°	25.9
80°	17.6
82.5°	12.1
85°	7.4
87.5°	2.8
90°	0.0

(END OF REPORT)