

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: P303270

Luminaire Tested: **RL56129BLE40AWH-3000K**

Test Date: 04/23/2019

Test Information

Test Method: LM-41-14
Report Number: P303270
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-3000K
Description: 5/6" RD LENS, 1200LM, 90 BLE, 120V, MW, 3000K
Light Source: (32) 90 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

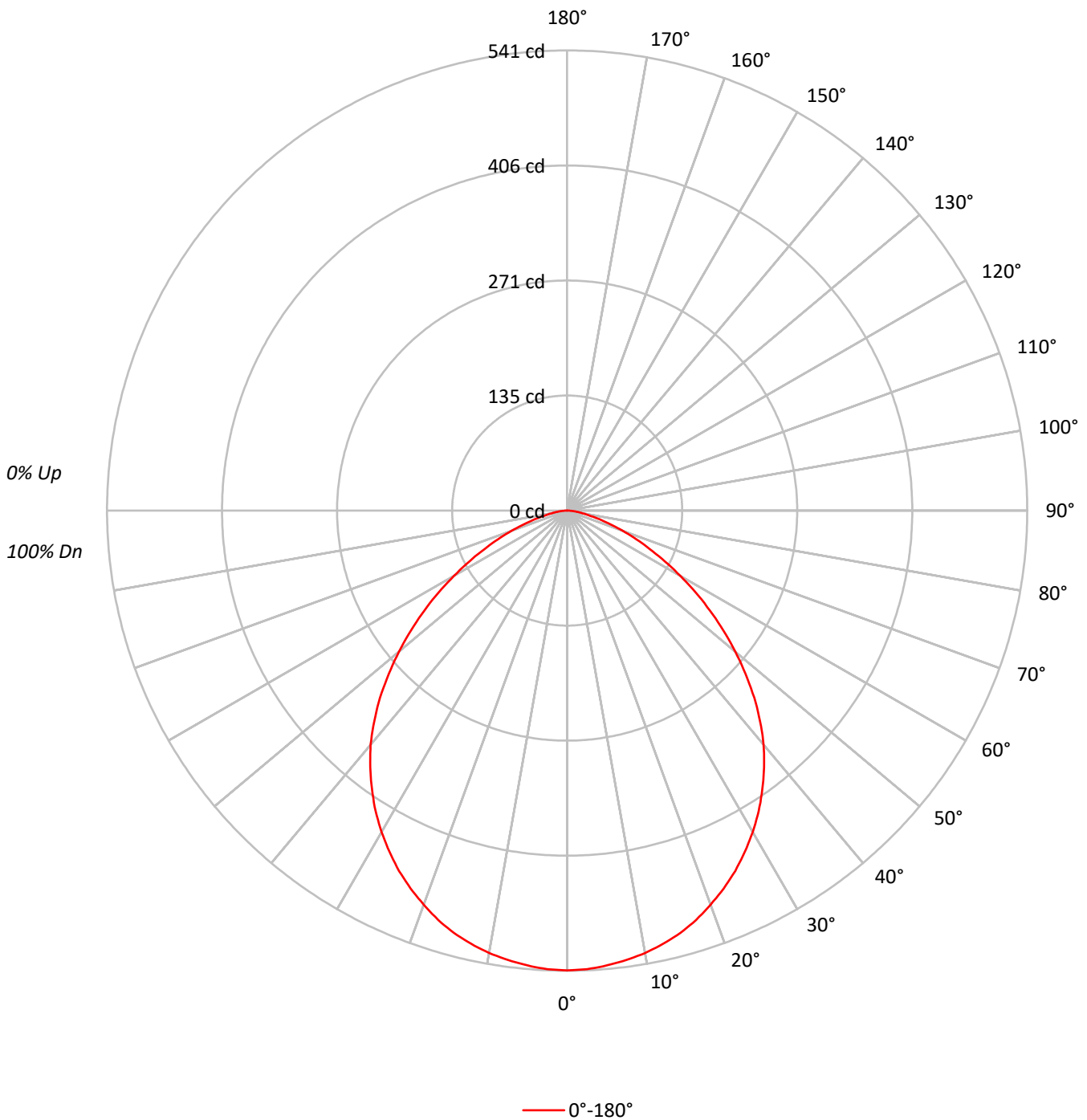
Lumens per Lamp: N/A
Luminaire Lumens: 1242.4 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.29
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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°	42675
5°	42537
10°	42340
15°	42015
20°	41424
25°	40720
30°	39770
35°	38567
40°	37046
45°	34731
50°	31685
55°	28200
60°	24251
65°	20024
70°	15995
75°	11865
80°	8183
85°	6884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	4.1
10°-20°	144.8	11.7
20°-30°	215.1	17.3
30°-40°	250.0	20.1
40°-50°	239.0	19.2
50°-60°	183.3	14.8
60°-70°	107.9	8.7
70°-80°	42.7	3.4
80°-90°	8.7	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°	410.9	33.1
0°-40°	660.9	53.2
0°-60°	1083.2	87.2
0°-90°	1242.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1242.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	541	
5°	537	51
15°	514	145
25°	468	215
35°	400	250
45°	311	239
55°	205	183
65°	107	108
75°	39	43
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	540.6
2.5°	539.7
5°	536.8
7.5°	533.0
10°	528.2
12.5°	521.7
15°	514.1
17.5°	504.6
20°	493.1
22.5°	480.9
25°	467.5
27.5°	452.4
30°	436.3
32.5°	419.2
35°	400.2
37.5°	380.3
40°	359.5
42.5°	335.7
45°	311.1
47.5°	284.5
50°	258.0
52.5°	231.4
55°	204.9
57.5°	179.2
60°	153.6
62.5°	129.9
65°	107.2
67.5°	88.2
70°	69.3
72.5°	53.1
75°	38.9
77.5°	26.5
80°	18.0
82.5°	12.4
85°	7.6
87.5°	2.9
90°	0.0

(END OF REPORT)