

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: P256541

Luminaire Tested: **RL56129S1EWH -5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P256541
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: RL56129S1EWH -5000K
Description: Halo RL 5/6in Downlight - SeleCCTable 5000K
Light Source: -
Ballast/Driver: -

Summary

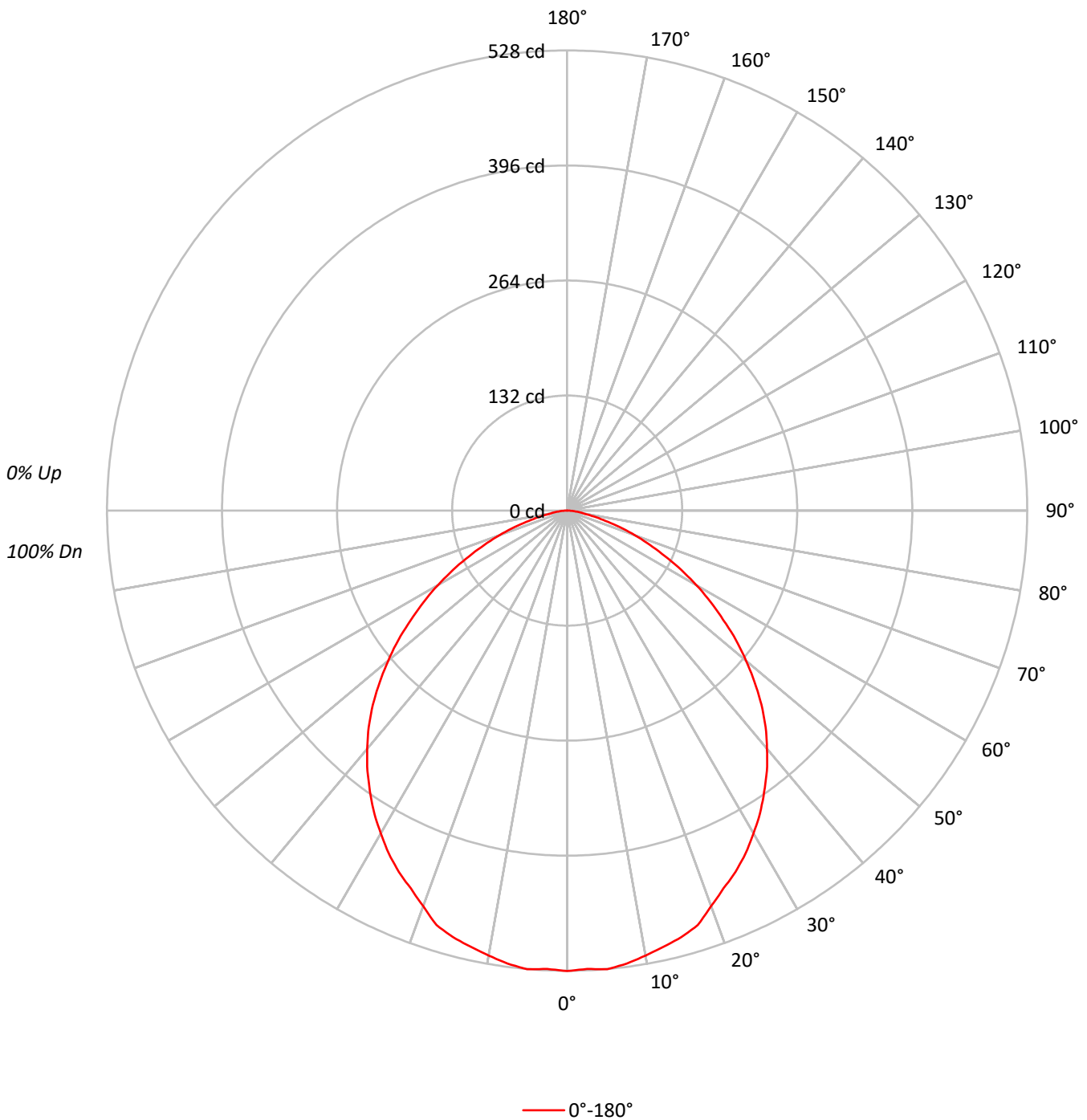
Lumens per Lamp: N/A
Luminaire Lumens: 1271.9 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.31
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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



TEST NUMBER: P256541
CATALOG NUMBER: RL56129S1EWH -5000K

Luminous Intensity Polar Plot





TEST NUMBER: P256541

CATALOG NUMBER: RL56129S1EWH -5000K

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):

	0°
0°	22746
5°	22833
10°	22664
15°	22581
20°	22126
25°	21725
30°	21264
35°	20720
40°	20054
45°	19205
50°	17958
55°	16424
60°	14768
65°	12653
70°	10423
75°	7536
80°	4885
85°	3903



TEST NUMBER: P256541

CATALOG NUMBER: RL56129S1EWH -5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	3.9
10°-20°	142.6	11.2
20°-30°	210.5	16.5
30°-40°	246.5	19.4
40°-50°	242.4	19.1
50°-60°	196.1	15.4
60°-70°	123.9	9.7
70°-80°	50.3	4.0
80°-90°	9.6	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°	403.1	31.7
0°-40°	649.6	51.1
0°-60°	1088.1	85.5
0°-90°	1271.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1271.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	528	
5°	528	50
15°	507	143
25°	457	210
35°	394	246
45°	315	242
55°	219	196
65°	124	124
75°	45	50
85°	8	10
90°	0	



TEST NUMBER: P256541

CATALOG NUMBER: RL56129S1EWH -5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	528.3
2.5°	526.3
5°	528.3
7.5°	524.3
10°	518.4
12.5°	512.5
15°	506.6
17.5°	498.7
20°	482.9
22.5°	469.1
25°	457.3
27.5°	443.5
30°	427.7
32.5°	412.0
35°	394.2
37.5°	376.5
40°	356.8
42.5°	337.1
45°	315.4
47.5°	291.7
50°	268.1
52.5°	244.4
55°	218.8
57.5°	195.1
60°	171.5
62.5°	147.8
65°	124.2
67.5°	102.5
70°	82.8
72.5°	63.1
75°	45.3
77.5°	31.5
80°	19.7
82.5°	13.8
85°	7.9
87.5°	3.9
90°	0.0

(END OF REPORT)