

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P243885

Luminaire Tested: **LD8B30D010 ER8B30835 8LBNOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-10)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30835 8LBN0LI
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2949.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.32
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

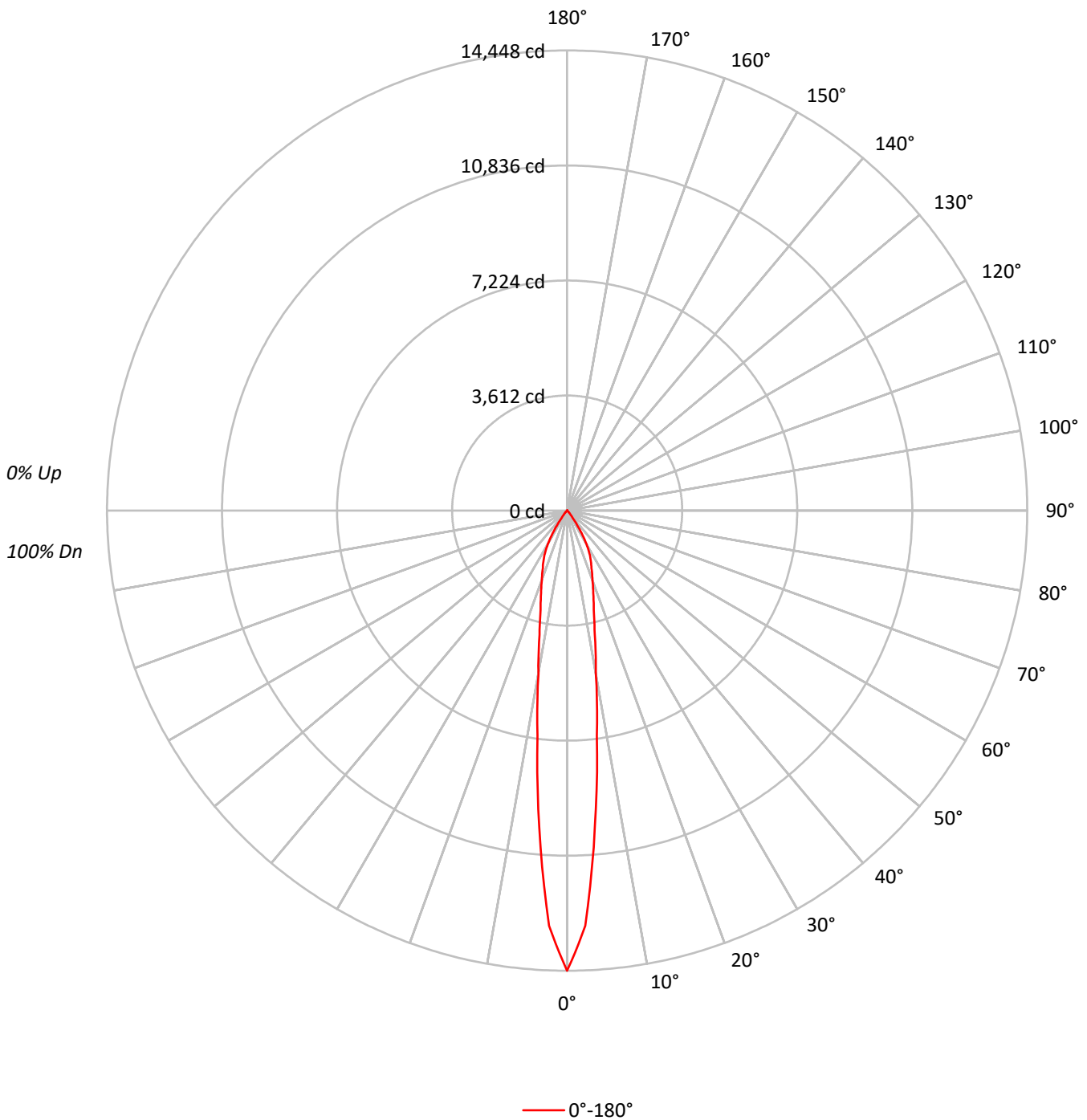
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	69	66	72	68	66	71	68	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	445526
5°	309442
10°	162835
15°	103029
20°	76565
25°	60192
30°	43337
35°	18596
40°	6481
45°	2486
50°	576
55°	215
60°	0
65°	292
70°	90
75°	238
80°	355
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.4	27.2
10°-20°	931.2	31.6
20°-30°	803.7	27.3
30°-40°	348.7	11.8
40°-50°	54.6	1.9
50°-60°	3.9	0.1
60°-70°	2.1	0.1
70°-80°	2.2	0.1
80°-90°	1.1	0.0
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°	2536.3	86.0
0°-40°	2884.9	97.8
0°-60°	2943.5	99.8
0°-90°	2949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2949.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14448	
5°	9997	801
15°	3227	931
25°	1769	804
35°	494	349
45°	57	55
55°	4	4
65°	4	2
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14448.1
2.5°	13047.0
5°	9996.8
7.5°	7129.6
10°	5200.4
12.5°	3990.3
15°	3227.3
17.5°	2714.2
20°	2333.2
22.5°	2008.2
25°	1769.1
27.5°	1517.1
30°	1217.1
32.5°	846.1
35°	494.0
37.5°	276.0
40°	161.0
42.5°	100.0
45°	57.0
47.5°	46.0
50°	12.0
52.5°	6.0
55°	4.0
57.5°	2.0
60°	0.0
62.5°	1.0
65°	4.0
67.5°	3.0
70°	1.0
72.5°	5.0
75°	2.0
77.5°	0.0
80°	2.0
82.5°	1.0
85°	0.0
87.5°	2.0
90°	0.0

(END OF REPORT)