

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: P244017

Luminaire Tested: **LD8B30D010 ER8B30827 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30827 8LBSOLI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3271.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

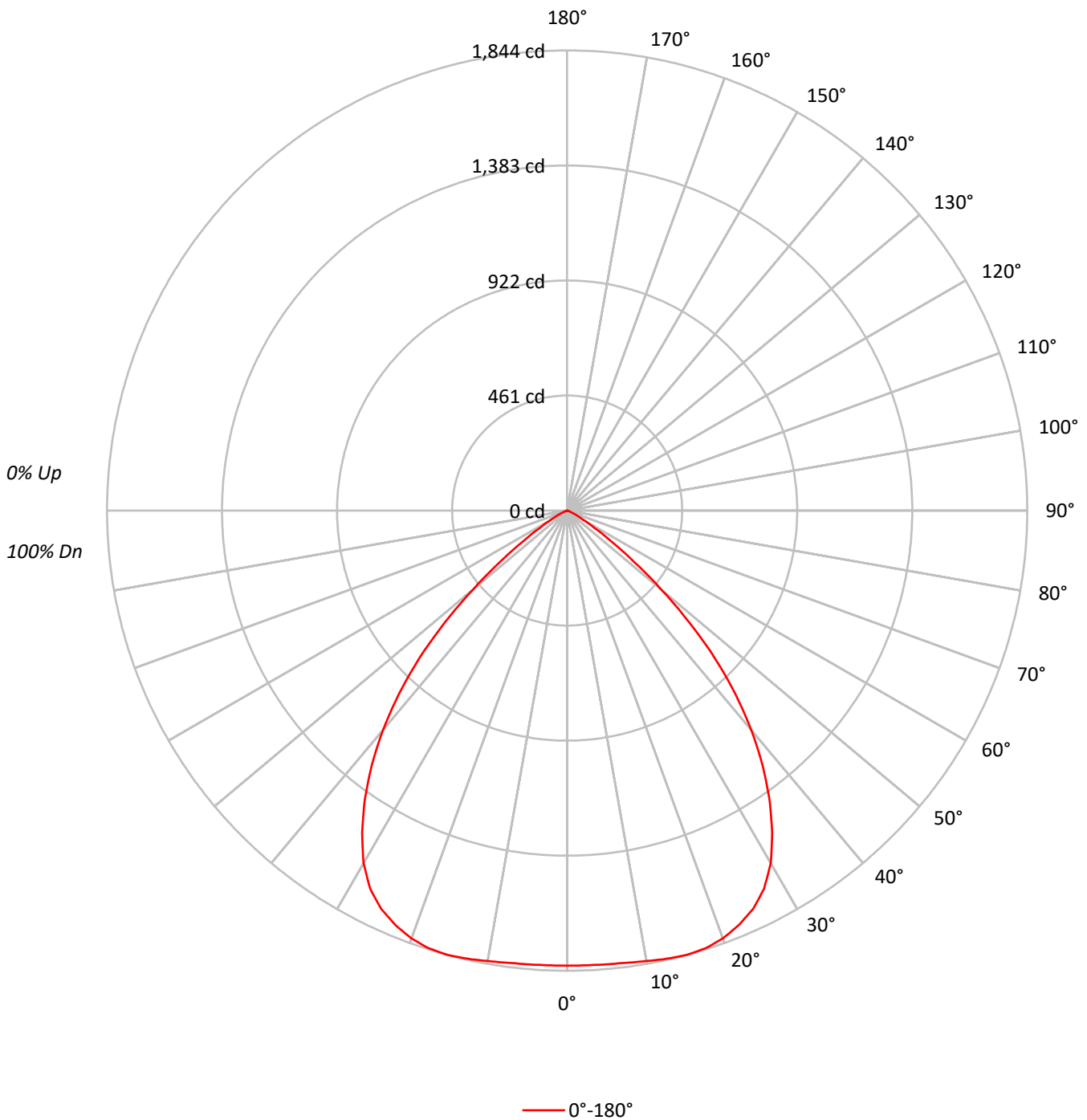
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56239
5°	56482
10°	57398
15°	58852
20°	59878
25°	59944
30°	58089
35°	53187
40°	46224
45°	36575
50°	23718
55°	11854
60°	4977
65°	2189
70°	676
75°	334
80°	337
85°	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	5.3
10°-20°	520.9	15.9
20°-30°	807.0	24.7
30°-40°	876.4	26.8
40°-50°	636.8	19.5
50°-60°	216.5	6.6
60°-70°	34.5	1.1
70°-80°	3.7	0.1
80°-90°	0.7	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°	1502.4	45.9
0°-40°	2378.8	72.7
0°-60°	3232.1	98.8
0°-90°	3271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3271.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1824	
5°	1825	174
15°	1844	521
25°	1762	807
35°	1413	876
45°	839	637
55°	220	216
65°	30	34
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1823.8
2.5°	1823.8
5°	1824.7
7.5°	1827.5
10°	1833.1
12.5°	1839.7
15°	1843.5
17.5°	1839.7
20°	1824.7
22.5°	1797.5
25°	1761.8
27.5°	1708.4
30°	1631.4
32.5°	1529.2
35°	1412.9
37.5°	1286.2
40°	1148.3
42.5°	999.1
45°	838.7
47.5°	666.1
50°	494.4
52.5°	338.7
55°	220.5
57.5°	134.2
60°	80.7
62.5°	49.7
65°	30.0
67.5°	16.9
70°	7.5
72.5°	4.7
75°	2.8
77.5°	1.9
80°	1.9
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)