

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: P244026

Luminaire Tested: **LD8B10D010 ER8B10835 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244026
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: LD8B10D010 ER8B10835 8LBSOLI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1274.0 lumens
Efficiency: N/A
Efficacy: 124.9 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

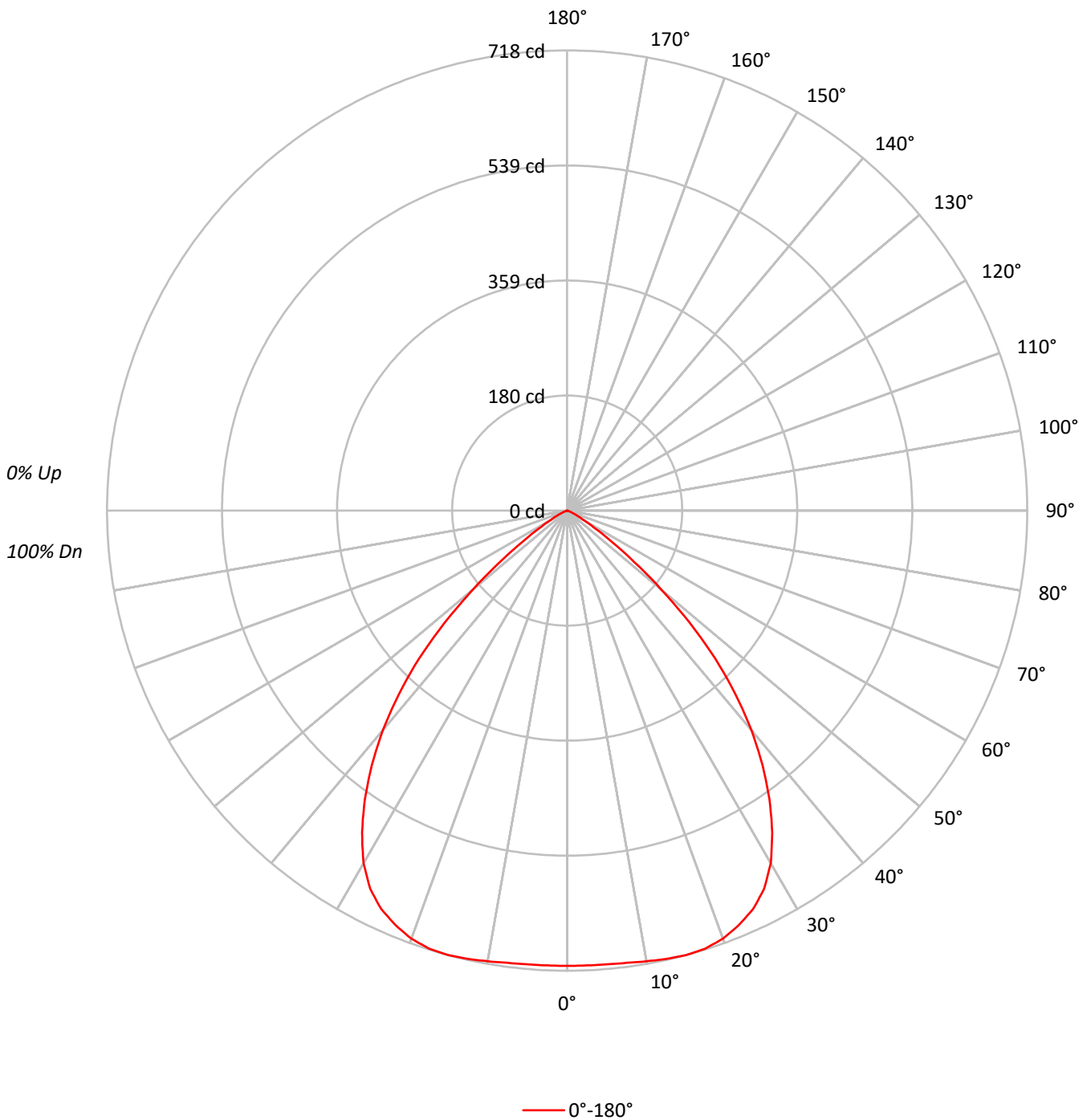
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21903
5°	21999
10°	22357
15°	22922
20°	23322
25°	23347
30°	22625
35°	20716
40°	18002
45°	14247
50°	9240
55°	4618
60°	1937
65°	854
70°	261
75°	131
80°	124
85°	142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	5.3
10°-20°	202.9	15.9
20°-30°	314.3	24.7
30°-40°	341.3	26.8
40°-50°	248.0	19.5
50°-60°	84.3	6.6
60°-70°	13.4	1.1
70°-80°	1.4	0.1
80°-90°	0.3	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°	585.1	45.9
0°-40°	926.5	72.7
0°-60°	1258.8	98.8
0°-90°	1274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	710	
5°	711	68
15°	718	203
25°	686	314
35°	550	341
45°	327	248
55°	86	84
65°	12	13
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	710.3
2.5°	710.3
5°	710.7
7.5°	711.8
10°	714.0
12.5°	716.5
15°	718.0
17.5°	716.5
20°	710.7
22.5°	700.1
25°	686.2
27.5°	665.4
30°	635.4
32.5°	595.6
35°	550.3
37.5°	501.0
40°	447.2
42.5°	389.1
45°	326.7
47.5°	259.4
50°	192.6
52.5°	131.9
55°	85.9
57.5°	52.3
60°	31.4
62.5°	19.4
65°	11.7
67.5°	6.6
70°	2.9
72.5°	1.8
75°	1.1
77.5°	0.7
80°	0.7
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)