

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: P246998

Luminaire Tested: **LSR8B80D010 EC8B80827 8LBN0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-80)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80827 8LBNOLI
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7475.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 0.47 / 0.47 / 0.56
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

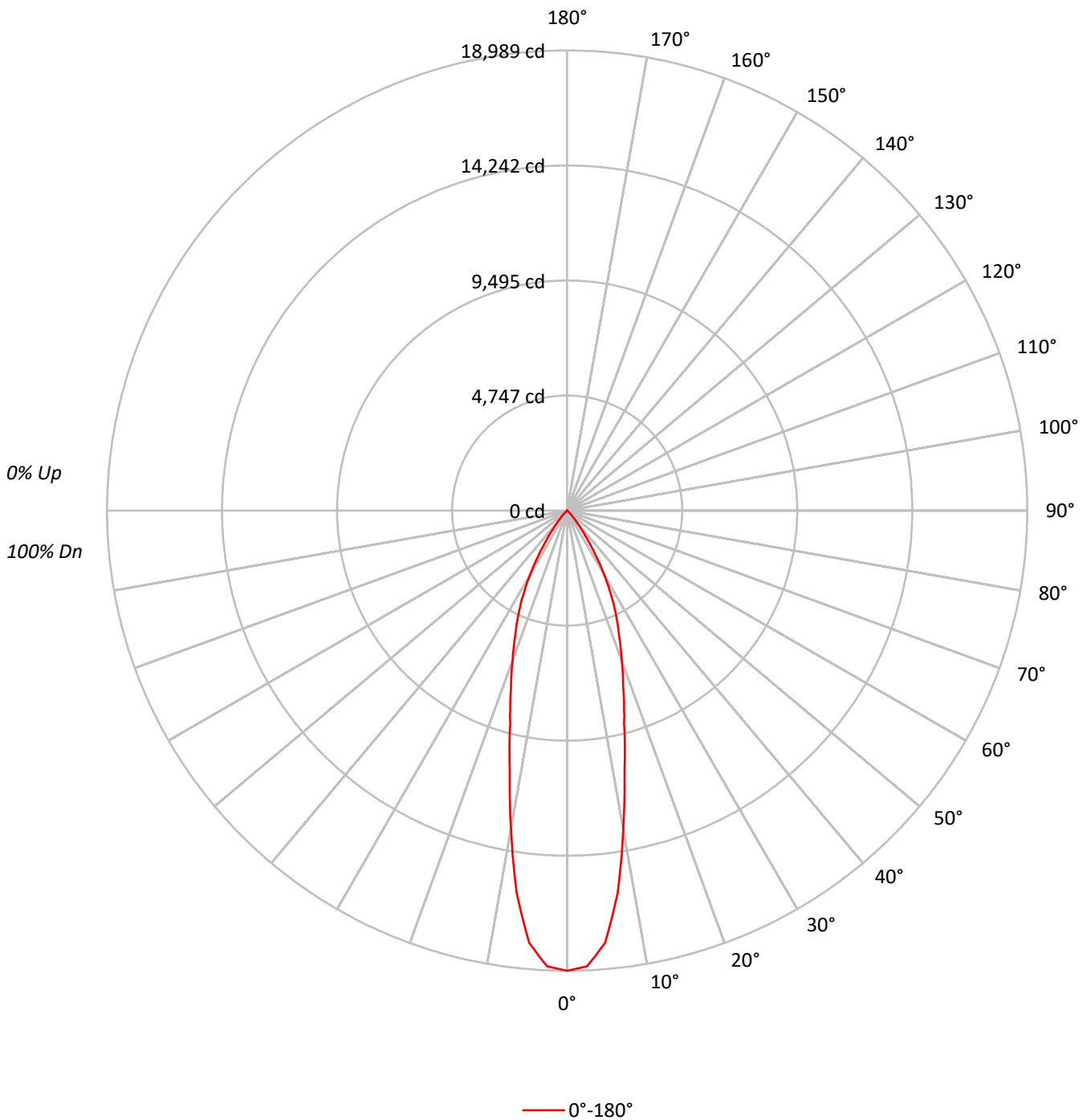
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	102	99	107	104	100	98	100	98	96		98	95	94		95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90		93	91	88		91	89	87	85
4	101	94	90	86	99	93	89	85	91	87	84		89	86	83		87	85	83	81
5	97	90	85	81	95	89	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76		82	78	75		80	77	75	73
7	89	81	76	72	88	81	76	72	79	75	72		78	74	72		77	74	71	70
8	86	78	72	69	85	77	72	69	76	72	69		75	71	68		74	71	68	67
9	82	74	69	66	81	74	69	66	73	69	65		72	68	65		71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	585563
5°	554407
10°	417536
15°	290219
20°	216345
25°	162839
30°	108889
35°	56993
40°	22015
45°	8142
50°	2072
55°	403
60°	56
65°	204
70°	252
75°	0
80°	0
85°	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1557.4	20.8
10°-20°	2575.6	34.5
20°-30°	2171.4	29.0
30°-40°	985.3	13.2
40°-50°	172.0	2.3
50°-60°	9.4	0.1
60°-70°	1.4	0.0
70°-80°	1.6	0.0
80°-90°	1.0	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°	6304.3	84.3
0°-40°	7289.6	97.5
0°-60°	7471.0	99.9
0°-90°	7475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7475.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18989	
5°	17911	###
15°	9091	2576
25°	4786	2171
35°	1514	985
45°	187	172
55°	8	9
65°	3	1
75°	0	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18989.4
2.5°	18821.5
5°	17910.6
7.5°	15926.6
10°	13334.7
12.5°	10938.9
15°	9090.9
17.5°	7702.5
20°	6592.8
22.5°	5616.2
25°	4786.0
27.5°	3941.8
30°	3058.1
32.5°	2226.0
35°	1514.0
37.5°	929.6
40°	546.9
42.5°	320.8
45°	186.7
47.5°	111.6
50°	43.2
52.5°	6.6
55°	7.5
57.5°	6.6
60°	0.9
62.5°	0.9
65°	2.8
67.5°	0.0
70°	2.8
72.5°	4.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.9
87.5°	2.8
90°	0.0

(END OF REPORT)