

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: P250817

Luminaire Tested: **LSR8B70D010 EC8B70827 8LBN0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250817
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: LSR8B70D010 EC8B70827 8LBN0LI
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: 6733.0 lumens
Efficiency: N/A
Efficacy: 88.7 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

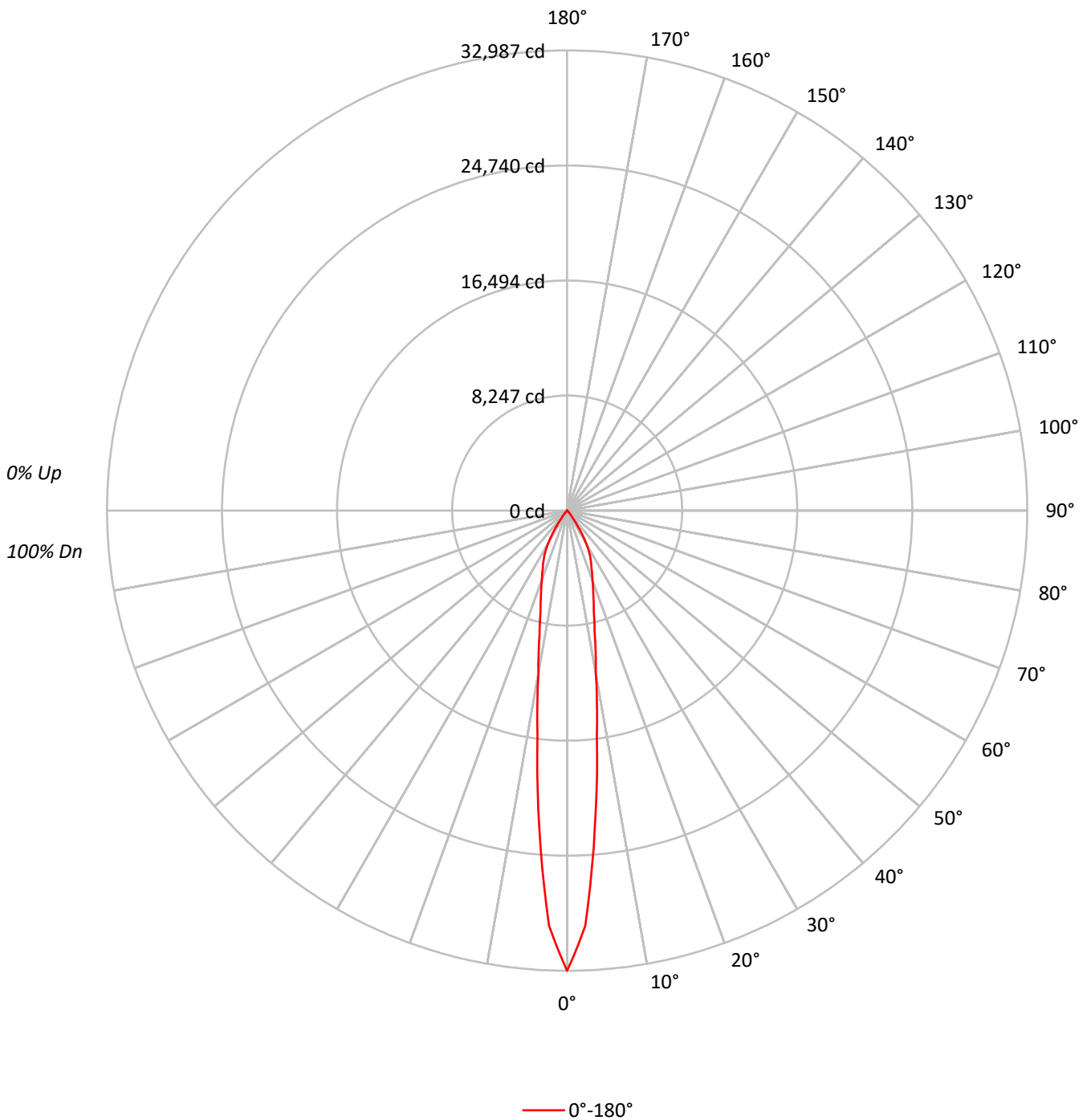
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	103	102	101	100	100	99	98	97	97	95
2	110	106	102	100	108	104	101	99	101	99	96	96	98	96	94	94	95	94	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	91	94	92	89	89	92	90	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	86	90	87	85	85	89	86	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	82	87	84	81	81	85	83	80	80	79
6	94	87	82	79	93	86	82	78	85	81	78	78	83	80	77	77	82	79	77	77	76
7	91	83	78	75	90	83	78	75	81	77	74	74	80	77	74	74	79	76	74	74	72
8	88	80	75	72	86	79	75	71	78	74	71	71	77	74	71	71	76	73	71	71	70
9	85	77	72	69	84	76	72	69	75	71	68	68	75	71	68	68	74	70	68	68	67
10	82	74	69	66	81	73	69	66	73	69	66	66	72	68	66	66	71	68	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1017204
5°	706500
10°	371777
15°	235226
20°	174807
25°	137430
30°	98944
35°	42463
40°	14797
45°	5674
50°	1314
55°	489
60°	0
65°	664
70°	207
75°	548
80°	817
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1829.8	27.2
10°-20°	2126.0	31.6
20°-30°	1834.9	27.3
30°-40°	796.1	11.8
40°-50°	124.7	1.9
50°-60°	9.0	0.1
60°-70°	4.8	0.1
70°-80°	5.1	0.1
80°-90°	2.5	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°	5790.7	86.0
0°-40°	6586.8	97.8
0°-60°	6720.5	99.8
0°-90°	6733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6733.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	32987	
5°	22824	###
15°	7368	2126
25°	4039	1835
35°	1128	796
45°	130	125
55°	9	9
65°	9	5
75°	5	5
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	32987.2
2.5°	29788.3
5°	22824.1
7.5°	16277.8
10°	11873.3
12.5°	9110.5
15°	7368.3
17.5°	6196.9
20°	5327.0
22.5°	4584.9
25°	4039.2
27.5°	3463.8
30°	2778.8
32.5°	1931.7
35°	1128.0
37.5°	630.2
40°	367.6
42.5°	228.3
45°	130.1
47.5°	105.0
50°	27.4
52.5°	13.7
55°	9.1
57.5°	4.6
60°	0.0
62.5°	2.3
65°	9.1
67.5°	6.8
70°	2.3
72.5°	11.4
75°	4.6
77.5°	0.0
80°	4.6
82.5°	2.3
85°	0.0
87.5°	4.6
90°	0.0

(END OF REPORT)