

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: P247044

Luminaire Tested: **LSR8B100D010 EC8B1009730 8LBN0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247044
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: LSR8B100D010 EC8B1009730 8LBN0LI
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7628.1 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.47 / 0.47 / 0.56
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

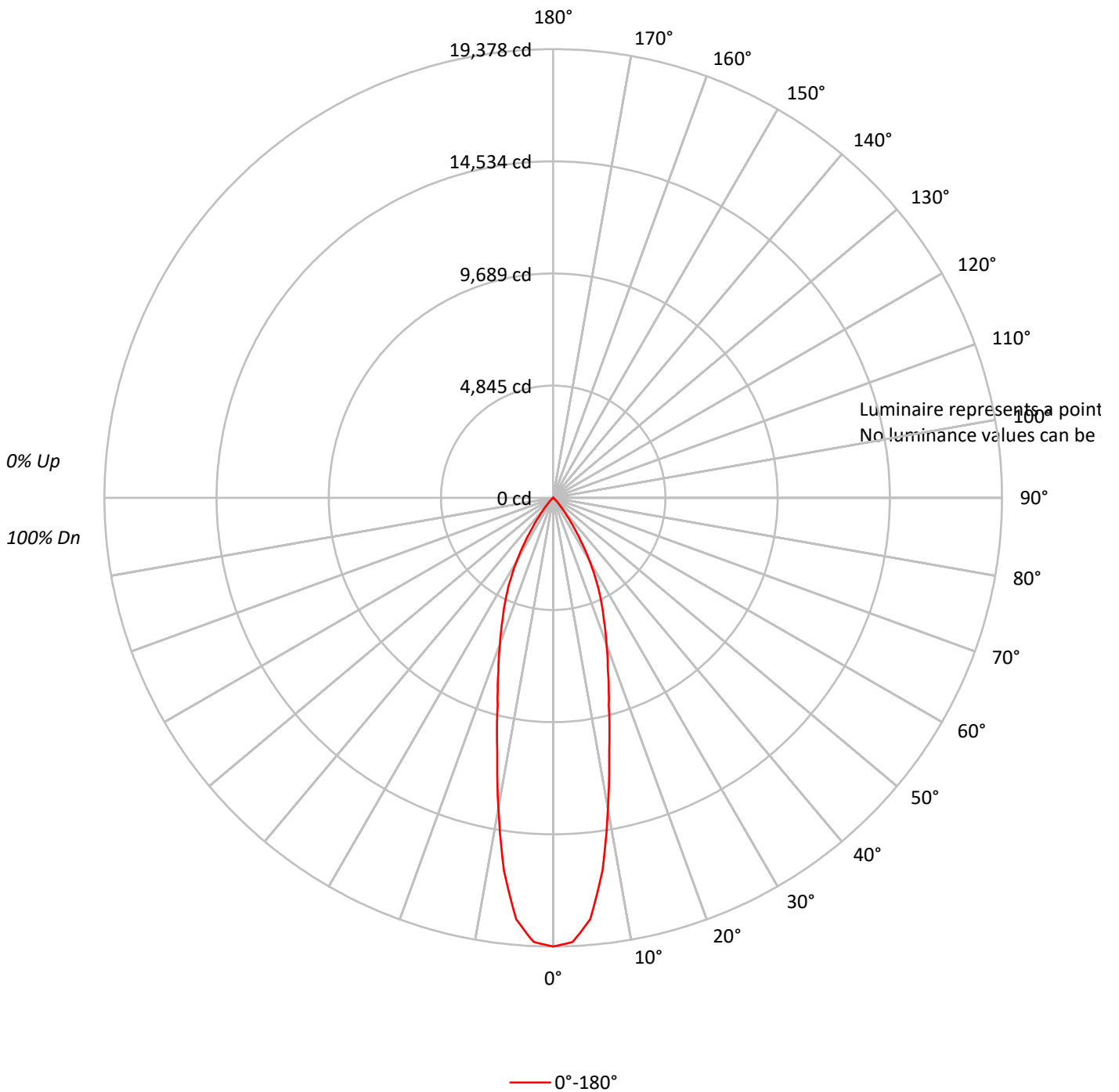
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P247044

CATALOG NUMBER: LSR8B100D010 EC8B1009730 8LBNOLI

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	106	106	106	102	102	102	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90	90	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	85	85	85
4	101	94	90	86	99	93	89	85	91	87	84	89	86	83	87	85	83	81	81	81
5	97	90	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77	77	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73	73	73
7	89	81	76	72	88	81	76	72	79	75	72	78	74	72	77	74	71	70	70	70
8	86	78	72	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67	67	67
9	82	74	69	66	81	74	69	66	73	69	65	72	68	65	71	68	65	64	64	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61	61	61

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1589.3	20.8
10°-20°	2628.3	34.5
20°-30°	2215.8	29.0
30°-40°	1005.4	13.2
40°-50°	175.5	2.3
50°-60°	9.6	0.1
60°-70°	1.5	0.0
70°-80°	1.6	0.0
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°	6433.4	84.3
0°-40°	7438.8	97.5
0°-60°	7623.9	99.9
0°-90°	7628.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7628.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19378	
5°	18277	###
15°	9277	2628
25°	4884	2216
35°	1545	1005
45°	190	176
55°	8	10
65°	3	1
75°	0	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19378.1
2.5°	19206.7
5°	18277.2
7.5°	16252.6
10°	13607.6
12.5°	11162.8
15°	9276.9
17.5°	7860.2
20°	6727.7
22.5°	5731.2
25°	4884.0
27.5°	4022.5
30°	3120.7
32.5°	2271.6
35°	1545.0
37.5°	948.7
40°	558.1
42.5°	327.4
45°	190.5
47.5°	113.9
50°	44.0
52.5°	6.7
55°	7.7
57.5°	6.7
60°	1.0
62.5°	1.0
65°	2.9
67.5°	0.0
70°	2.9
72.5°	4.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	1.0
87.5°	2.9
90°	0.0

(END OF REPORT)