

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: P247041

Luminaire Tested: **LSR8B120D010 EC8B1209727 8LBN0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247041
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: LSR8B120D010 EC8B1209727 8LBN0LI
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8173.0 lumens
Efficiency: N/A
Efficacy: 69.1 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

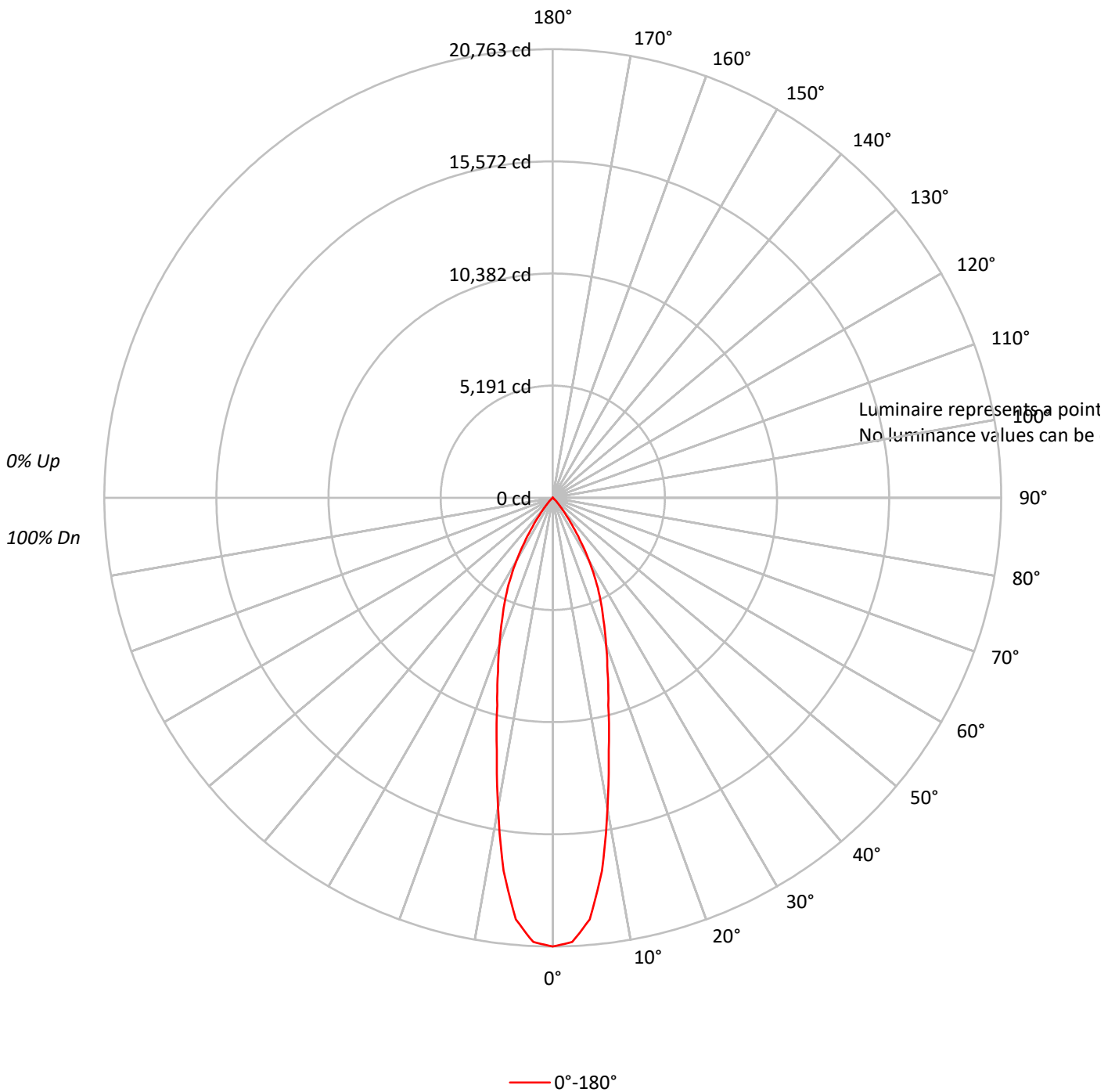
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P247041

CATALOG NUMBER: LSR8B120D010 EC8B1209727 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				0			
RW	70	50	30	10	70	50	30	10	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	100	100	100	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95	95		
2	110	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90	90	90	90	90		
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	85	85	85	85	85		
4	101	94	90	86	99	93	89	85	91	87	84	89	86	83	87	85	83	81	81	81	81	81		
5	97	90	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77	77	77	77	77		
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73	73	73	73	73		
7	89	81	76	72	88	81	76	72	79	75	72	78	74	72	77	74	71	70	70	70	70	70		
8	86	78	72	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67	67	67	67	67		
9	82	74	69	66	81	74	69	66	73	69	65	72	68	65	71	68	65	64	64	64	64	64		
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61	61	61	61	61		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1702.8	20.8
10°-20°	2816.1	34.5
20°-30°	2374.1	29.0
30°-40°	1077.3	13.2
40°-50°	188.1	2.3
50°-60°	10.2	0.1
60°-70°	1.5	0.0
70°-80°	1.7	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°	6893.0	84.3
0°-40°	7970.3	97.5
0°-60°	8168.6	99.9
0°-90°	8173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8173.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20763	
5°	19583	###
15°	9940	2816
25°	5233	2374
35°	1655	1077
45°	204	188
55°	8	10
65°	3	2
75°	0	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20762.6
2.5°	20579.0
5°	19583.1
7.5°	17413.8
10°	14579.9
12.5°	11960.3
15°	9939.8
17.5°	8421.8
20°	7208.4
22.5°	6140.7
25°	5233.0
27.5°	4309.9
30°	3343.7
32.5°	2433.9
35°	1655.4
37.5°	1016.4
40°	598.0
42.5°	350.8
45°	204.1
47.5°	122.1
50°	47.2
52.5°	7.2
55°	8.2
57.5°	7.2
60°	1.0
62.5°	1.0
65°	3.1
67.5°	0.0
70°	3.1
72.5°	5.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	1.0
87.5°	3.1
90°	0.0

(END OF REPORT)