

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: P250011

Luminaire Tested: **LSR8B120D010 EC8B120940 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120940 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9675.1 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

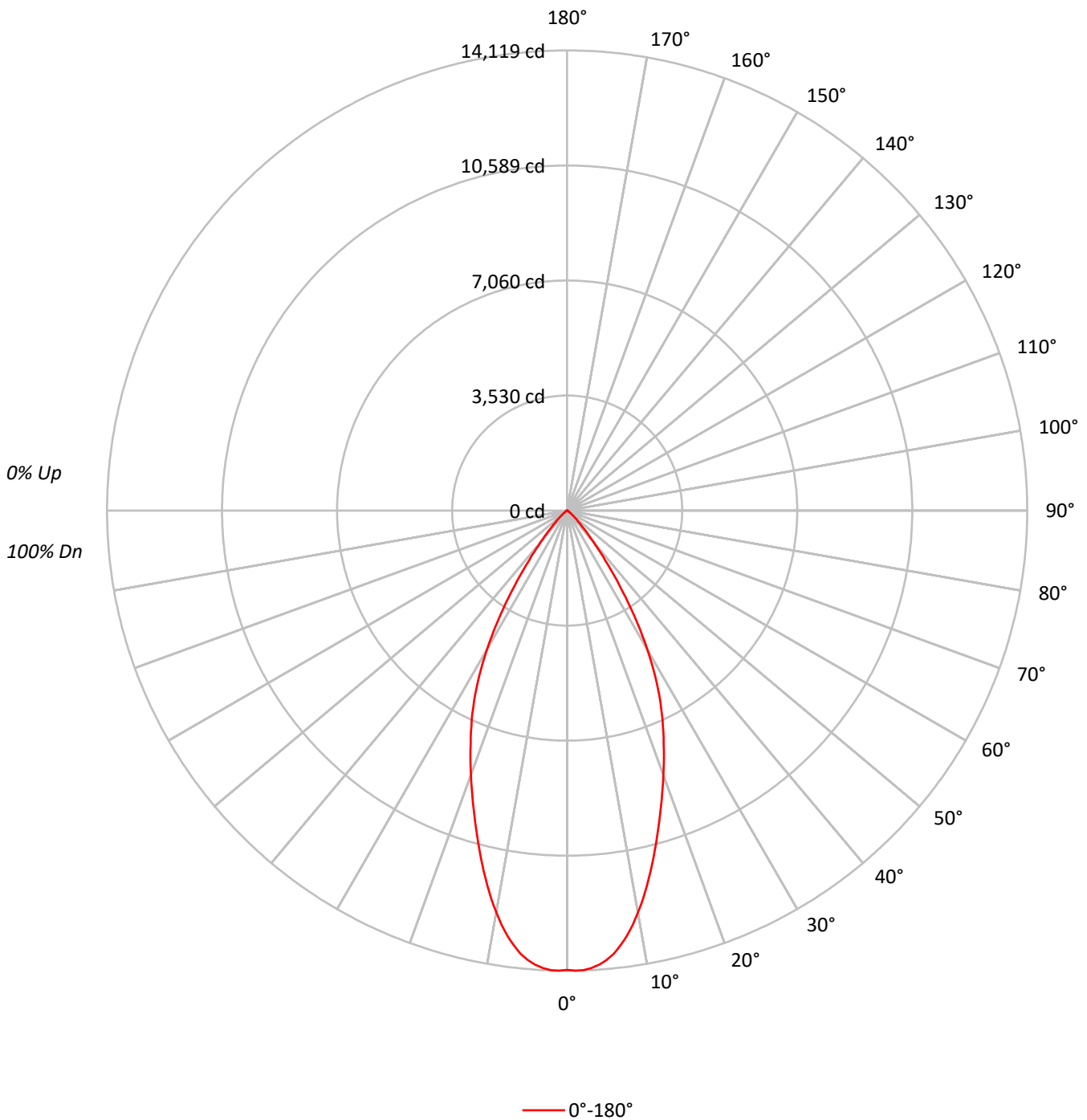
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	102	101	100	99	99	98	97	96	96	94	94	94	94
2	108	104	100	97	106	102	99	96	99	96	93	93	96	94	91	91	93	91	90	90	88	88	88	88
3	103	97	92	89	101	96	91	88	93	89	86	86	91	88	85	85	89	86	84	84	82	82	82	82
4	98	91	86	82	97	90	85	81	88	84	80	80	86	82	79	79	84	81	79	79	77	77	77	77
5	94	86	80	76	92	85	80	76	83	78	75	75	81	77	74	74	80	76	74	74	72	72	72	72
6	89	81	75	71	88	80	75	71	79	74	70	70	77	73	70	70	76	72	69	69	68	68	68	68
7	85	76	71	67	84	76	70	66	74	70	66	66	73	69	66	66	72	68	65	65	64	64	64	64
8	81	72	66	63	80	72	66	62	71	66	62	62	70	65	62	62	69	65	62	62	60	60	60	60
9	78	68	63	59	77	68	63	59	67	62	59	59	66	62	58	58	65	61	58	58	57	57	57	57
10	74	65	59	56	73	65	59	56	64	59	56	56	63	59	55	55	62	58	55	55	54	54	54	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	434542
5°	428488
10°	392008
15°	336569
20°	283426
25°	234174
30°	175648
35°	104700
40°	49883
45°	21730
50°	9854
55°	4344
60°	2492
65°	1481
70°	1524
75°	0
80°	604
85°	2406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1279.0	13.2
10°-20°	2934.5	30.3
20°-30°	3117.6	32.2
30°-40°	1778.7	18.4
40°-50°	441.0	4.6
50°-60°	86.7	0.9
60°-70°	26.2	0.3
70°-80°	6.2	0.1
80°-90°	5.1	0.1
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°	7331.1	75.8
0°-40°	9109.8	94.2
0°-60°	9637.6	99.6
0°-90°	9675.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9675.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14092	
5°	13843	###
15°	10543	2935
25°	6883	3118
35°	2781	1779
45°	498	441
55°	81	87
65°	20	26
75°	0	6
85°	7	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14091.9
1°	14118.9
2°	14108.7
3°	14058.2
4°	13970.7
5°	13842.7
6°	13674.4
7°	13442.0
8°	13176.0
9°	12862.9
10°	12519.4
11°	12155.8
12°	11765.1
13°	11367.8
14°	10960.4
15°	10542.8
16°	10148.9
17°	9751.6
18°	9377.7
19°	8997.3
20°	8637.0
22.5°	7744.6
25°	6882.6
27.5°	5956.7
30°	4933.0
32.5°	3835.2
35°	2781.3
37.5°	1915.9
40°	1239.2
42.5°	784.6
45°	498.3
47.5°	326.7
50°	205.4
52.5°	124.7
55°	80.8
57.5°	64.0
60°	40.4
62.5°	37.0
65°	20.3
67.5°	20.3
70°	16.9
72.5°	10.1
75°	0.0
77.5°	3.4
80°	3.4



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	6.8
85°	6.8
87.5°	3.4
90°	0.0

(END OF REPORT)