

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: P249955

Luminaire Tested: **LSR8B120D010 EC8B120827 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249955
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 EC8B120827 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10190.0 lumens
Efficiency: N/A
Efficacy: 86.1 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

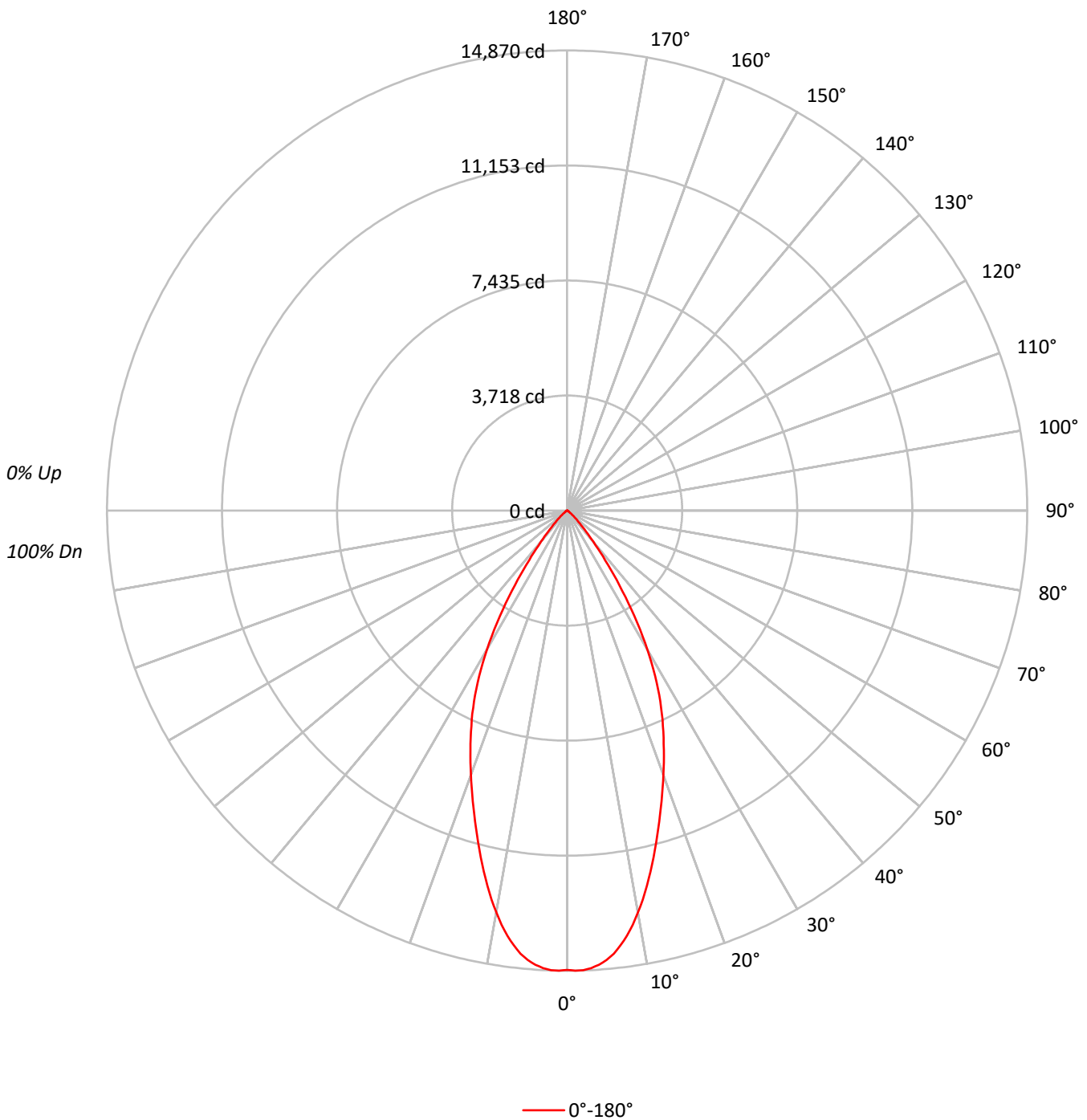
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	457673
5°	451295
10°	412874
15°	354485
20°	298514
25°	246637
30°	184998
35°	110275
40°	52539
45°	22886
50°	10377
55°	4570
60°	2621
65°	1554
70°	1605
75°	0
80°	639
85°	2512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1347.1	13.2
10°-20°	3090.7	30.3
20°-30°	3283.5	32.2
30°-40°	1873.4	18.4
40°-50°	464.5	4.6
50°-60°	91.3	0.9
60°-70°	27.5	0.3
70°-80°	6.6	0.1
80°-90°	5.3	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°	7721.3	75.8
0°-40°	9594.7	94.2
0°-60°	10150.6	99.6
0°-90°	10190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10190.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14842	
5°	14580	###
15°	11104	3091
25°	7249	3284
35°	2929	1873
45°	525	464
55°	85	91
65°	21	28
75°	0	7
85°	7	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14842.0
1°	14870.4
2°	14859.7
3°	14806.6
4°	14714.4
5°	14579.5
6°	14402.3
7°	14157.5
8°	13877.3
9°	13547.6
10°	13185.8
11°	12802.9
12°	12391.4
13°	11972.9
14°	11543.8
15°	11104.0
16°	10689.1
17°	10270.6
18°	9876.9
19°	9476.2
20°	9096.8
22.5°	8156.8
25°	7248.9
27.5°	6273.8
30°	5195.6
32.5°	4039.4
35°	2929.4
37.5°	2017.9
40°	1305.2
42.5°	826.4
45°	524.8
47.5°	344.1
50°	216.3
52.5°	131.3
55°	85.0
57.5°	67.4
60°	42.5
62.5°	39.0
65°	21.3
67.5°	21.3
70°	17.8
72.5°	10.7
75°	0.0
77.5°	3.6
80°	3.6



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	7.1
85°	7.1
87.5°	3.6
90°	0.0

(END OF REPORT)