

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: P250004

Luminaire Tested: **LSR8B120D010 EC8B120935 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250004
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 EC8B120935 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9263.0 lumens
Efficiency: N/A
Efficacy: 78.3 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

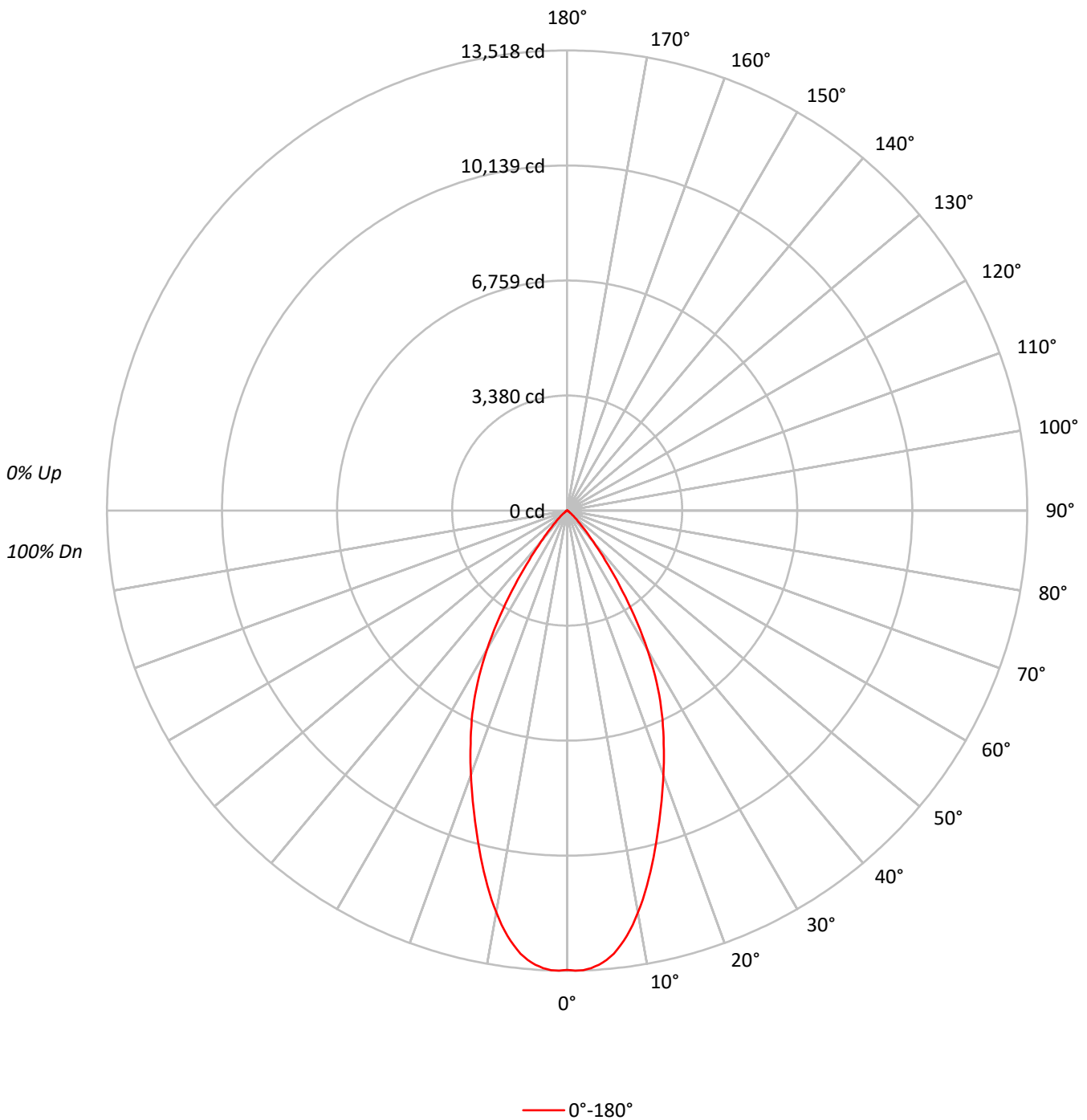
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	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
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	416037
5°	410241
10°	375312
15°	322235
20°	271356
25°	224202
30°	168170
35°	100243
40°	47757
45°	20806
50°	9436
55°	4156
60°	2387
65°	1416
70°	1461
75°	0
80°	568
85°	2300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1224.5	13.2
10°-20°	2809.6	30.3
20°-30°	2984.8	32.2
30°-40°	1703.0	18.4
40°-50°	422.2	4.6
50°-60°	83.0	0.9
60°-70°	25.1	0.3
70°-80°	5.9	0.1
80°-90°	4.9	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°	7018.9	75.8
0°-40°	8721.9	94.2
0°-60°	9227.2	99.6
0°-90°	9263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9263.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13492	
5°	13253	###
15°	10094	2810
25°	6590	2985
35°	2663	1703
45°	477	422
55°	77	83
65°	19	25
75°	0	6
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13491.8
1°	13517.6
2°	13507.9
3°	13459.6
4°	13375.8
5°	13253.2
6°	13092.1
7°	12869.6
8°	12614.9
9°	12315.2
10°	11986.2
11°	11638.2
12°	11264.1
13°	10883.7
14°	10493.6
15°	10093.8
16°	9716.7
17°	9336.3
18°	8978.4
19°	8614.2
20°	8269.2
22.5°	7414.8
25°	6589.5
27.5°	5703.0
30°	4723.0
32.5°	3671.9
35°	2662.9
37.5°	1834.3
40°	1186.4
42.5°	751.2
45°	477.1
47.5°	312.8
50°	196.7
52.5°	119.3
55°	77.3
57.5°	61.3
60°	38.7
62.5°	35.4
65°	19.4
67.5°	19.4
70°	16.2
72.5°	9.7
75°	0.0
77.5°	3.2
80°	3.2



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	6.5
85°	6.5
87.5°	3.2
90°	0.0

(END OF REPORT)