

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: P250655

Luminaire Tested: **LSR8B120D010 EC8B120850 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120850 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11544.0 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

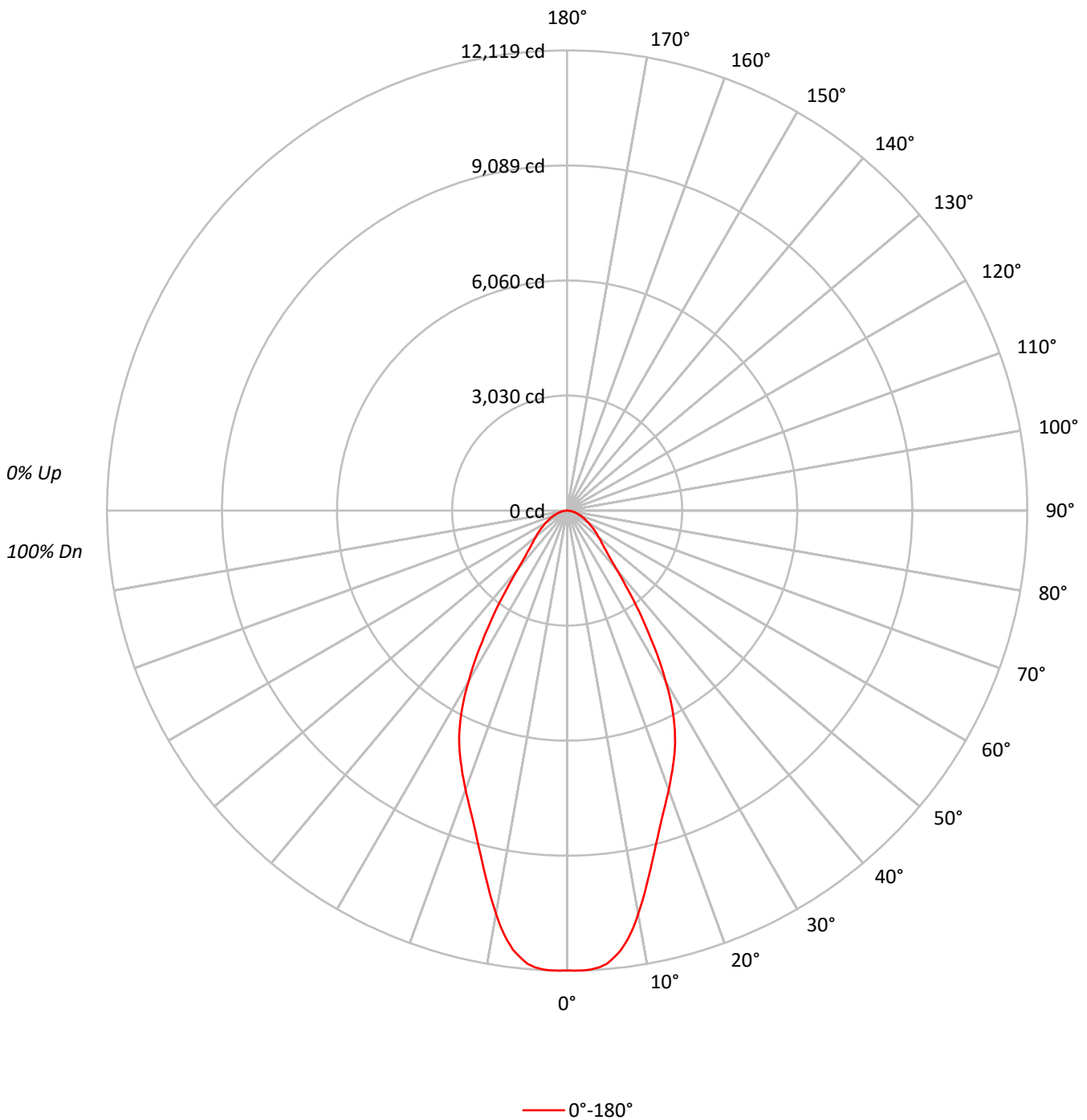
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98		98	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	373465
5°	370784
10°	337822
15°	289628
20°	256613
25°	228972
30°	184927
35°	128401
40°	81406
45°	60399
50°	51600
55°	45348
60°	40433
65°	36285
70°	31222
75°	28535
80°	26814
85°	23457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1105.6	9.6
10°-20°	2551.0	22.1
20°-30°	3040.4	26.3
30°-40°	2146.1	18.6
40°-50°	1108.3	9.6
50°-60°	760.5	6.6
60°-70°	494.5	4.3
70°-80°	258.8	2.2
80°-90°	78.7	0.7
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°	6697.0	58.0
0°-40°	8843.1	76.6
0°-60°	10712.0	92.8
0°-90°	11544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11544.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12111	
5°	11978	###
15°	9072	2551
25°	6730	3040
35°	3411	2146
45°	1385	1108
55°	844	761
65°	497	494
75°	240	259
85°	66	79
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12111.2
1°	12118.6
2°	12118.6
3°	12100.1
4°	12059.7
5°	11978.5
6°	11835.0
7°	11658.1
8°	11414.9
9°	11120.4
10°	10788.9
11°	10438.9
12°	10074.1
13°	9724.3
14°	9385.4
15°	9072.4
16°	8781.4
17°	8512.5
18°	8269.3
19°	8040.9
20°	7819.9
21°	7602.6
22°	7389.0
23°	7175.4
24°	6958.1
25°	6729.7
26°	6471.7
27°	6191.8
28°	5886.2
29°	5562.0
30°	5193.6
31°	4836.4
32°	4471.6
33°	4096.0
34°	3749.7
35°	3410.9
37.5°	2626.4
40°	2022.3
42.5°	1628.1
45°	1385.0
47.5°	1211.8
50°	1075.6
52.5°	957.7
55°	843.5
57.5°	740.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	655.6
62.5°	571.0
65°	497.3
67.5°	430.9
70°	346.3
72.5°	298.4
75°	239.5
77.5°	195.1
80°	151.0
82.5°	110.5
85°	66.3
87.5°	36.8
90°	0.0

(END OF REPORT)