

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: P250025

Luminaire Tested: **LSR8B120D010 EC8B120927 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250025
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 EC8B120927 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8508.4 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

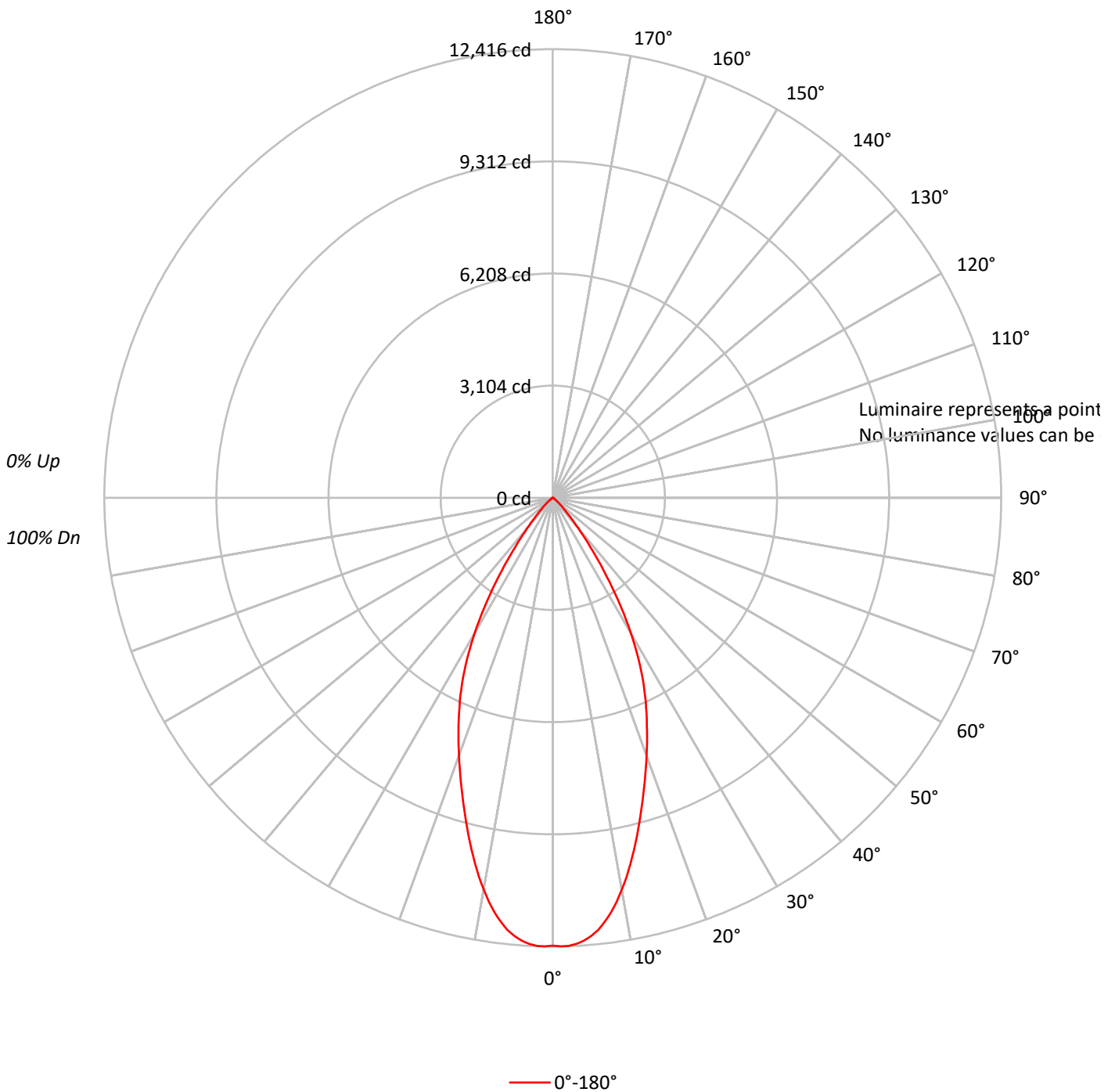
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1124.8	13.2
10°-20°	2580.7	30.3
20°-30°	2741.7	32.2
30°-40°	1564.3	18.4
40°-50°	387.9	4.6
50°-60°	76.2	0.9
60°-70°	23.0	0.3
70°-80°	5.4	0.1
80°-90°	4.5	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°	6447.1	75.8
0°-40°	8011.4	94.2
0°-60°	8475.5	99.6
0°-90°	8508.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8508.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12393	
5°	12174	###
15°	9272	2581
25°	6053	2742
35°	2446	1564
45°	438	388
55°	71	76
65°	18	23
75°	0	5
85°	6	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12392.7
1°	12416.4
2°	12407.5
3°	12363.1
4°	12286.1
5°	12173.5
6°	12025.6
7°	11821.2
8°	11587.2
9°	11311.9
10°	11009.7
11°	10690.1
12°	10346.5
13°	9997.1
14°	9638.8
15°	9271.6
16°	8925.1
17°	8575.6
18°	8246.9
19°	7912.4
20°	7595.6
22.5°	6810.8
25°	6052.7
27.5°	5238.4
30°	4338.2
32.5°	3372.8
35°	2446.0
37.5°	1684.9
40°	1089.8
42.5°	690.1
45°	438.2
47.5°	287.3
50°	180.7
52.5°	109.6
55°	71.0
57.5°	56.2
60°	35.6
62.5°	32.5
65°	17.8
67.5°	17.8
70°	14.8
72.5°	8.9
75°	0.0
77.5°	2.9
80°	2.9



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	6.0
85°	6.0
87.5°	2.9
90°	0.0

(END OF REPORT)