

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: P250614

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B1509727 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7120.1 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

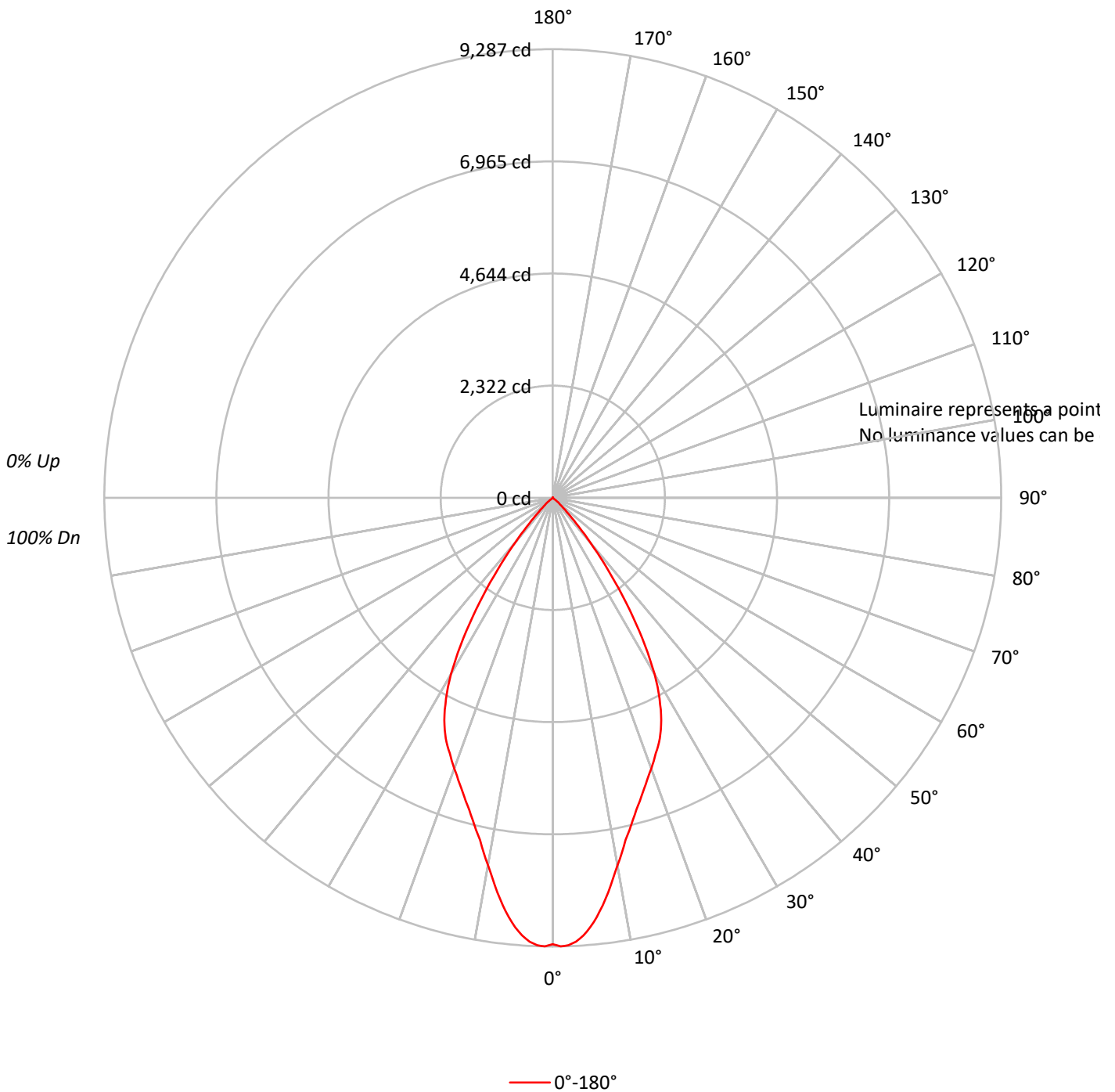
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.5	11.4
10°-20°	1884.5	26.5
20°-30°	2390.7	33.6
30°-40°	1637.8	23.0
40°-50°	373.2	5.2
50°-60°	18.6	0.3
60°-70°	0.9	0.0
70°-80°	1.4	0.0
80°-90°	1.4	0.0
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°	5086.7	71.4
0°-40°	6724.5	94.4
0°-60°	7116.4	99.9
0°-90°	7120.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7120.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9238	
5°	8922	811
15°	6689	1884
25°	5295	2391
35°	2646	1638
45°	403	373
55°	7	19
65°	4	1
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9238.4
1°	9286.6
2°	9269.3
3°	9200.6
4°	9083.5
5°	8921.9
6°	8725.7
7°	8498.7
8°	8247.5
9°	7979.1
10°	7724.5
11°	7490.5
12°	7239.4
13°	7057.0
14°	6864.3
15°	6688.8
16°	6530.6
17°	6375.7
18°	6231.2
19°	6090.1
20°	5962.8
21°	5832.1
22°	5697.9
23°	5580.9
24°	5450.2
25°	5295.3
26°	5123.3
27°	4923.7
28°	4710.4
29°	4473.0
30°	4211.5
31°	3915.6
32°	3609.4
33°	3289.4
34°	2962.5
35°	2645.9
37.5°	1868.3
40°	1204.2
42.5°	708.8
45°	402.6
47.5°	216.8
50°	110.1
52.5°	20.6
55°	6.9
57.5°	3.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	3.5
67.5°	0.0
70°	0.0
72.5°	3.5
75°	0.0
77.5°	0.0
80°	3.5
82.5°	0.0
85°	0.0
87.5°	3.5
90°	0.0

(END OF REPORT)