

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: P250110

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B1509727 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10180.1 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

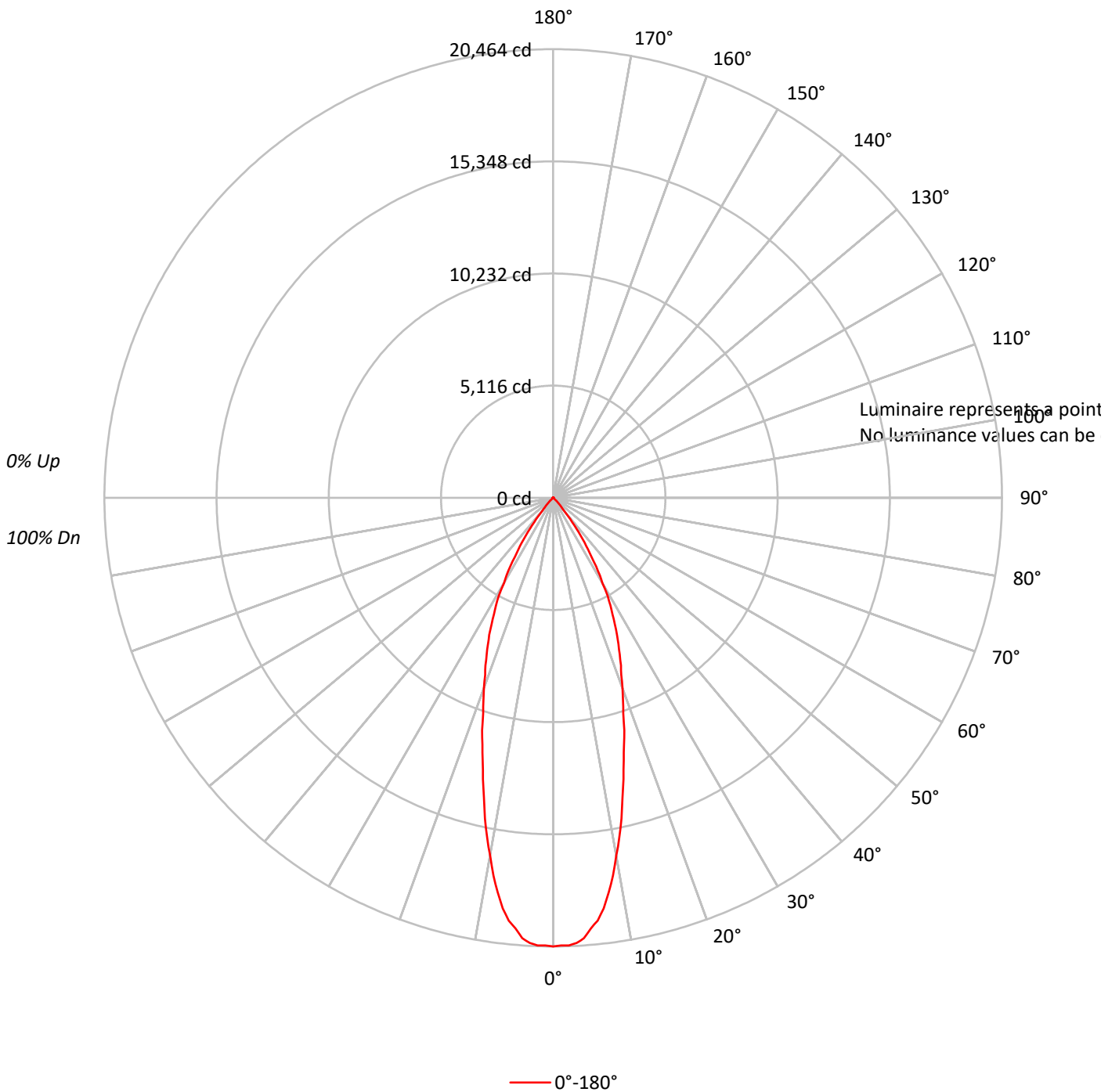
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1787.3	17.6
10°-20°	3463.3	34.0
20°-30°	3118.1	30.6
30°-40°	1542.7	15.2
40°-50°	234.7	2.3
50°-60°	9.7	0.1
60°-70°	12.4	0.1
70°-80°	4.7	0.0
80°-90°	7.3	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°	8368.6	82.2
0°-40°	9911.3	97.4
0°-60°	10155.7	99.8
0°-90°	10180.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10180.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20464	
5°	19715	###
15°	12408	3463
25°	6895	3118
35°	2497	1543
45°	259	235
55°	4	10
65°	7	12
75°	7	5
85°	11	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	20464.3
1°	20421.7
2°	20432.2
3°	20329.2
4°	20141.0
5°	19714.8
6°	19387.9
7°	18869.4
8°	18173.1
9°	17448.4
10°	16574.5
11°	15793.1
12°	14954.8
13°	14027.6
14°	13228.4
15°	12407.8
16°	11708.0
17°	11090.0
18°	10329.8
19°	9772.0
20°	9225.1
21°	8656.7
22°	8241.1
23°	7758.0
24°	7313.9
25°	6894.8
26°	6401.0
27°	5957.1
28°	5559.2
29°	5122.2
30°	4493.5
31°	4138.4
32°	3690.7
33°	3200.5
34°	2827.5
35°	2497.1
37.5°	1580.7
40°	714.0
42.5°	486.7
45°	259.3
47.5°	145.6
50°	3.6
52.5°	14.3
55°	3.6
57.5°	21.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	3.6
62.5°	17.8
65°	7.1
67.5°	17.8
70°	10.7
72.5°	3.6
75°	7.1
77.5°	0.0
80°	3.6
82.5°	14.3
85°	10.7
87.5°	0.0
90°	0.0

(END OF REPORT)