

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: P250115

Luminaire Tested: **LSR8B100D010 EC8B100930 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250115
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: LSR8B100D010 EC8B100930 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8345.8 lumens
Efficiency: N/A
Efficacy: 78.5 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

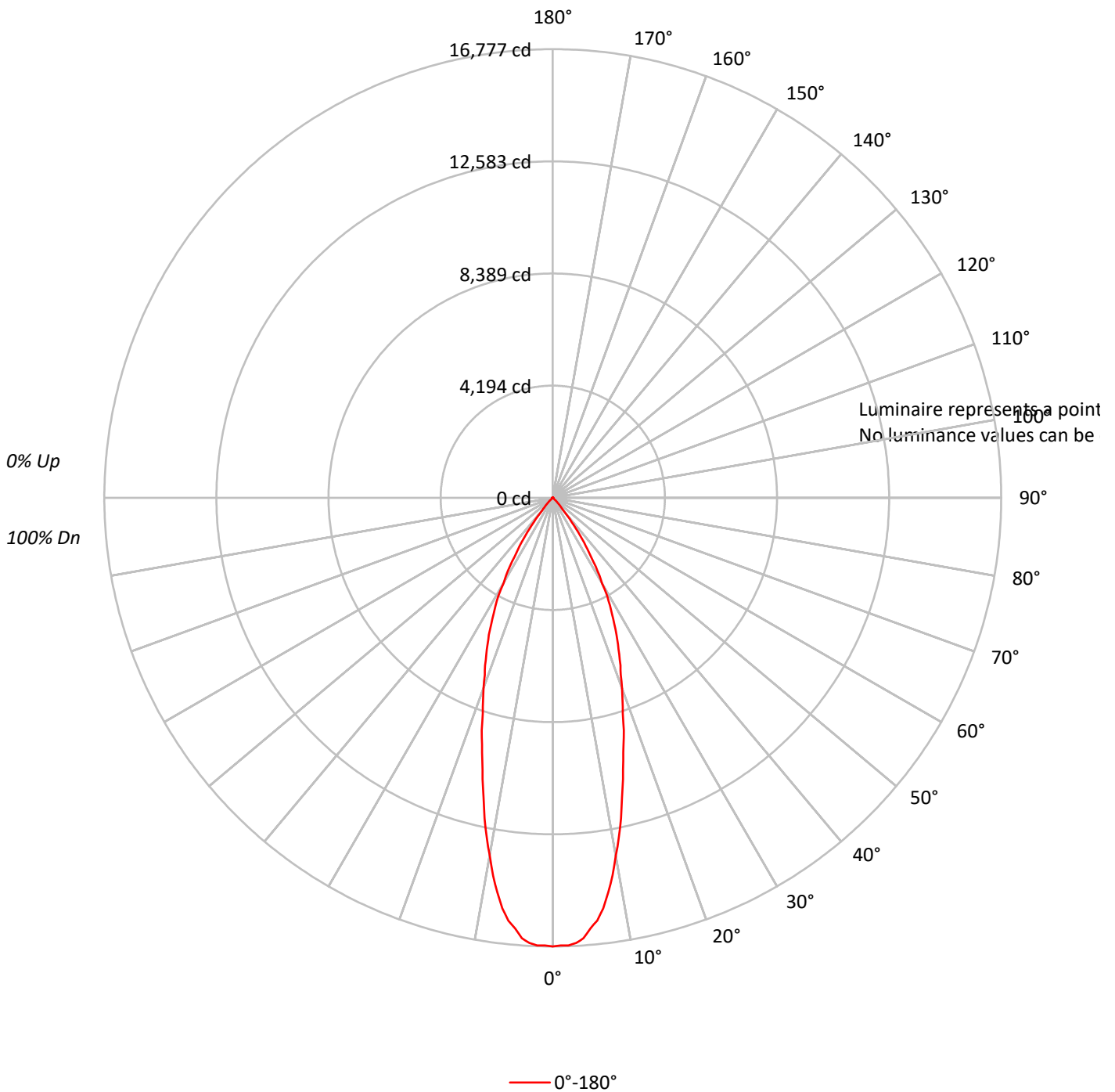
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1465.2	17.6
10°-20°	2839.3	34.0
20°-30°	2556.3	30.6
30°-40°	1264.7	15.2
40°-50°	192.4	2.3
50°-60°	7.9	0.1
60°-70°	10.1	0.1
70°-80°	3.8	0.0
80°-90°	5.9	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°	6860.8	82.2
0°-40°	8125.6	97.4
0°-60°	8325.8	99.8
0°-90°	8345.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8345.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16777	
5°	16163	###
15°	10172	2839
25°	5652	2556
35°	2047	1265
45°	212	192
55°	3	8
65°	6	10
75°	6	4
85°	9	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16777.2
1°	16742.2
2°	16750.9
3°	16666.5
4°	16512.1
5°	16162.7
6°	15894.8
7°	15469.6
8°	14898.9
9°	14304.6
10°	13588.2
11°	12947.7
12°	12260.4
13°	11500.2
14°	10845.0
15°	10172.3
16°	9598.6
17°	9091.9
18°	8468.6
19°	8011.3
20°	7563.1
21°	7096.9
22°	6756.3
23°	6360.2
24°	5996.1
25°	5652.5
26°	5247.7
27°	4883.7
28°	4557.5
29°	4199.4
30°	3683.9
31°	3392.7
32°	3025.8
33°	2623.8
34°	2318.1
35°	2047.2
37.5°	1295.9
40°	585.4
42.5°	399.0
45°	212.5
47.5°	119.4
50°	2.9
52.5°	11.7
55°	2.9
57.5°	17.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	2.9
62.5°	14.6
65°	5.8
67.5°	14.6
70°	8.7
72.5°	2.9
75°	5.8
77.5°	0.0
80°	2.9
82.5°	11.7
85°	8.7
87.5°	0.0
90°	0.0

(END OF REPORT)