

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: P250117

Luminaire Tested: **LSR8B150D010 EC8B150930 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250117
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 EC8B150930 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: 12073.2 lumens
Efficiency: N/A
Efficacy: 76.2 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

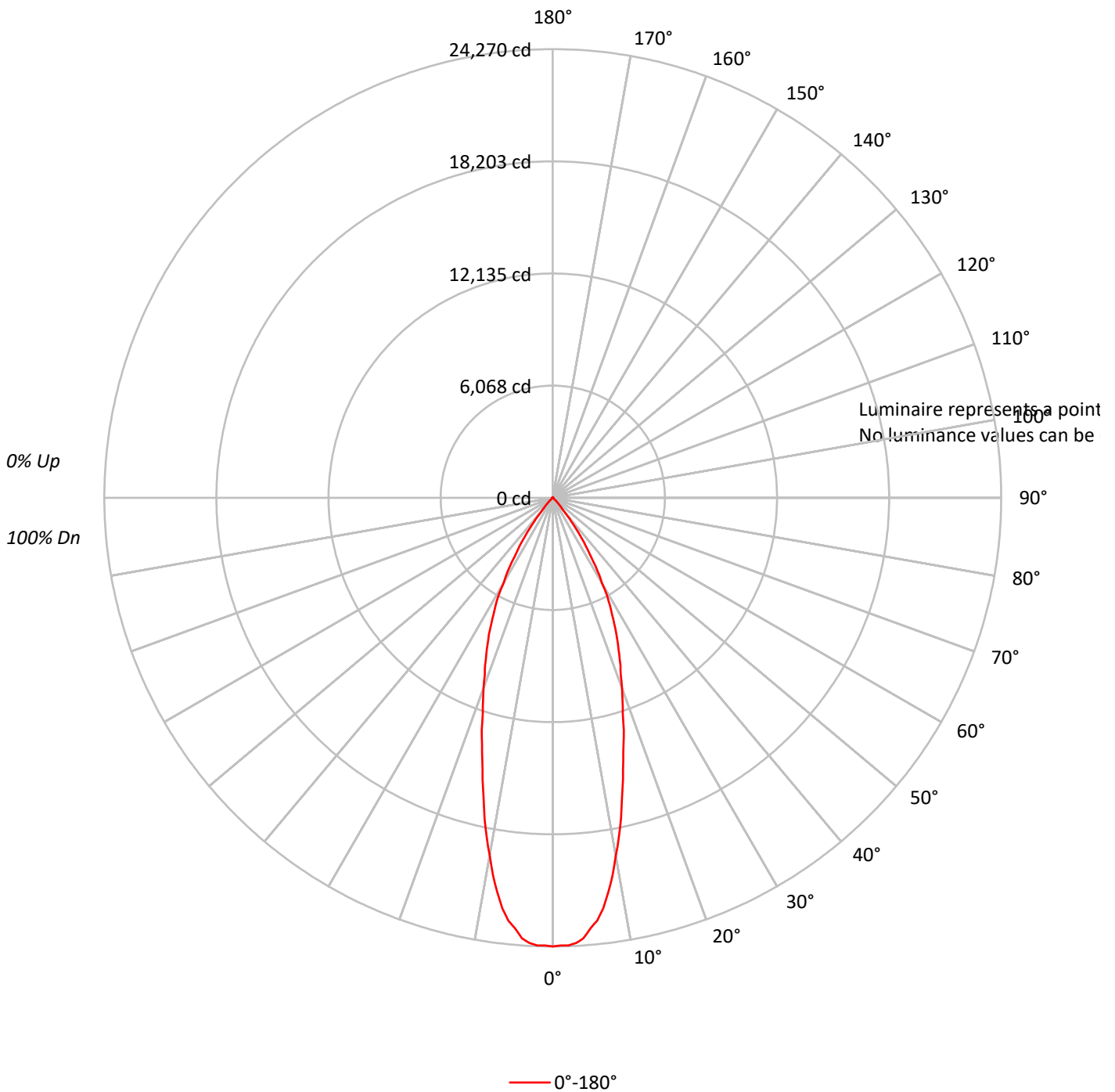
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2119.6	17.6
10°-20°	4107.4	34.0
20°-30°	3697.9	30.6
30°-40°	1829.6	15.2
40°-50°	278.3	2.3
50°-60°	11.5	0.1
60°-70°	14.7	0.1
70°-80°	5.6	0.0
80°-90°	8.6	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°	9924.9	82.2
0°-40°	11754.5	97.4
0°-60°	12044.3	99.8
0°-90°	12073.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12073.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24270	
5°	23381	###
15°	14715	4107
25°	8177	3698
35°	2962	1830
45°	308	278
55°	4	11
65°	8	15
75°	8	6
85°	13	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24270.0
1°	24219.5
2°	24232.0
3°	24109.8
4°	23886.6
5°	23381.1
6°	22993.5
7°	22378.5
8°	21552.8
9°	20693.3
10°	19656.8
11°	18730.1
12°	17736.0
13°	16636.3
14°	15688.5
15°	14715.3
16°	13885.4
17°	13152.4
18°	12250.8
19°	11589.3
20°	10940.7
21°	10266.6
22°	9773.7
23°	9200.7
24°	8674.1
25°	8177.0
26°	7591.4
27°	7064.9
28°	6593.0
29°	6074.8
30°	5329.2
31°	4908.0
32°	4377.1
33°	3795.7
34°	3353.4
35°	2961.6
37.5°	1874.6
40°	846.8
42.5°	577.2
45°	307.5
47.5°	172.6
50°	4.3
52.5°	16.9
55°	4.3
57.5°	25.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	4.3
62.5°	21.1
65°	8.4
67.5°	21.1
70°	12.7
72.5°	4.3
75°	8.4
77.5°	0.0
80°	4.3
82.5°	16.9
85°	12.7
87.5°	0.0
90°	0.0

(END OF REPORT)