

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 EC8B150927 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 EC8B150927 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: 11452.5 lumens
Efficiency: N/A
Efficacy: 72.3 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

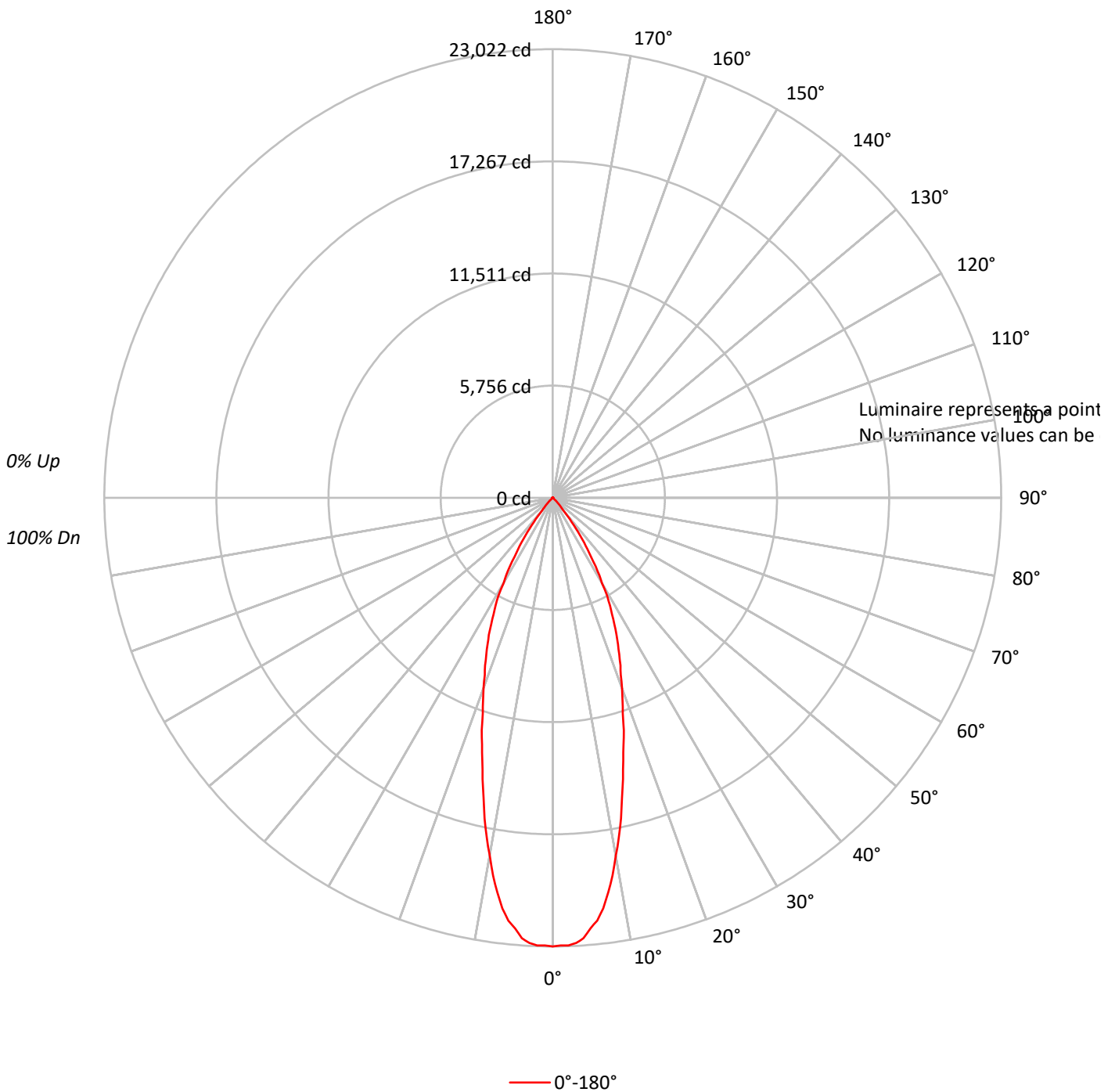
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2010.7	17.6
10°-20°	3896.2	34.0
20°-30°	3507.8	30.6
30°-40°	1735.5	15.2
40°-50°	264.0	2.3
50°-60°	10.9	0.1
60°-70°	13.9	0.1
70°-80°	5.3	0.0
80°-90°	8.2	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°	9414.7	82.2
0°-40°	11150.2	97.4
0°-60°	11425.1	99.8
0°-90°	11452.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11452.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23022	
5°	22179	###
15°	13959	3896
25°	7757	3508
35°	2809	1736
45°	292	264
55°	4	11
65°	8	14
75°	8	5
85°	12	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	23022.3
1°	22974.4
2°	22986.2
3°	22870.4
4°	22658.6
5°	22179.1
6°	21811.4
7°	21228.1
8°	20444.7
9°	19629.4
10°	18646.3
11°	17767.2
12°	16824.1
13°	15781.0
14°	14882.0
15°	13958.8
16°	13171.5
17°	12476.2
18°	11621.0
19°	10993.5
20°	10378.2
21°	9738.8
22°	9271.2
23°	8727.8
24°	8228.1
25°	7756.6
26°	7201.1
27°	6701.7
28°	6254.1
29°	5762.5
30°	5055.2
31°	4655.7
32°	4152.0
33°	3600.6
34°	3180.9
35°	2809.2
37.5°	1778.3
40°	803.2
42.5°	547.5
45°	291.7
47.5°	163.8
50°	4.0
52.5°	16.1
55°	4.0
57.5°	24.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	4.0
62.5°	20.0
65°	8.0
67.5°	20.0
70°	12.0
72.5°	4.0
75°	8.0
77.5°	0.0
80°	4.0
82.5°	16.1
85°	12.0
87.5°	0.0
90°	0.0

(END OF REPORT)