

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: P250005

Luminaire Tested: **LSR8B150D010 EC8B150935 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150935 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11839.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

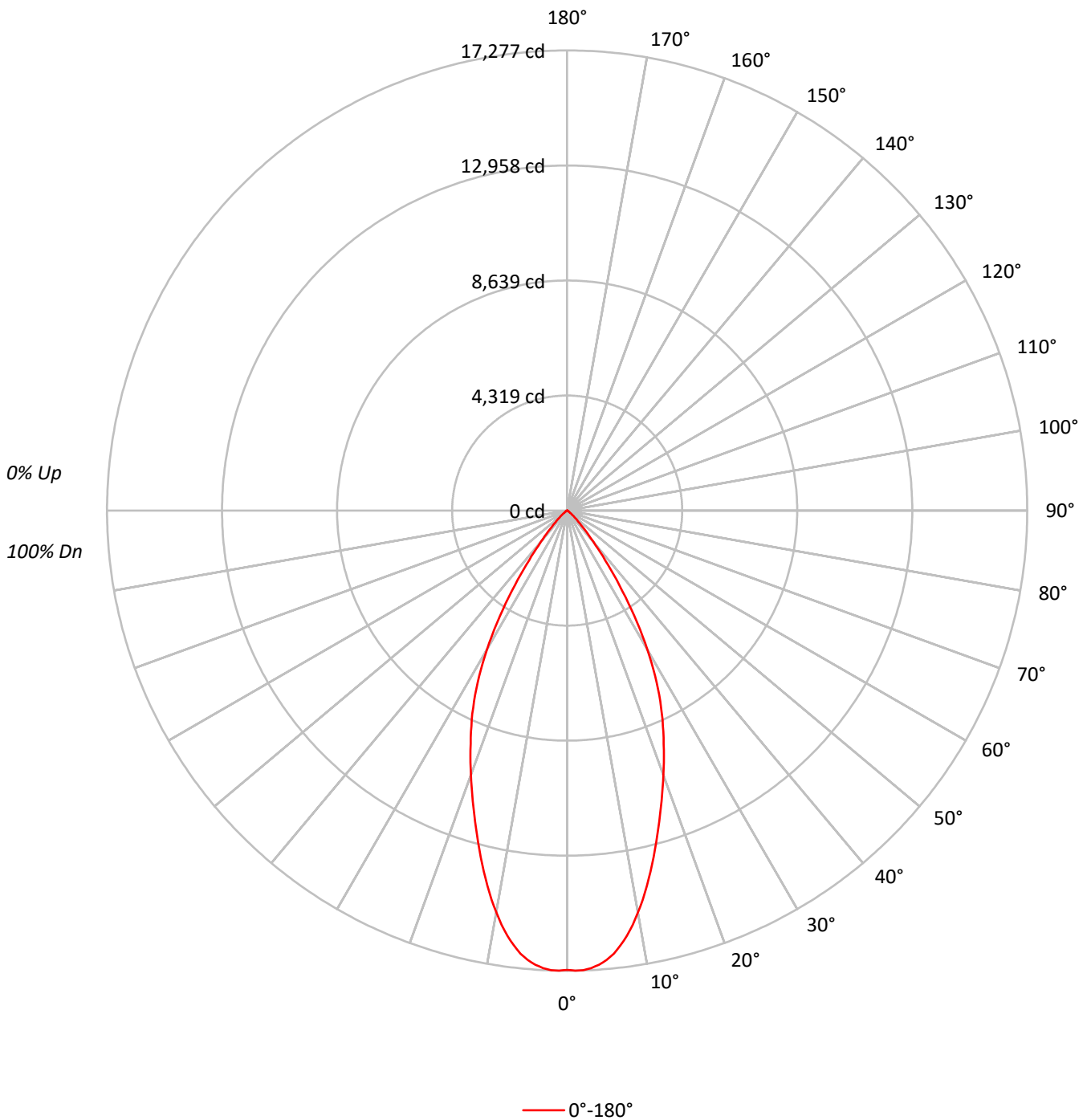
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	531735
5°	524328
10°	479688
15°	411850
20°	346819
25°	286551
30°	214936
35°	128118
40°	61041
45°	26593
50°	12060
55°	5312
60°	3047
65°	1810
70°	1866
75°	0
80°	728
85°	2937



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1565.1	13.2
10°-20°	3590.9	30.3
20°-30°	3814.9	32.2
30°-40°	2176.6	18.4
40°-50°	539.7	4.6
50°-60°	106.1	0.9
60°-70°	32.0	0.3
70°-80°	7.6	0.1
80°-90°	6.2	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°	8970.8	75.8
0°-40°	11147.4	94.2
0°-60°	11793.2	99.6
0°-90°	11839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11839.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17244	
5°	16939	###
15°	12901	3591
25°	8422	3815
35°	3403	2177
45°	610	540
55°	99	106
65°	25	32
75°	0	8
85°	8	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17243.8
1°	17276.8
2°	17264.4
3°	17202.6
4°	17095.6
5°	16938.9
6°	16733.0
7°	16448.6
8°	16123.0
9°	15740.0
10°	15319.6
11°	14874.7
12°	14396.6
13°	13910.4
14°	13411.9
15°	12900.9
16°	12418.9
17°	11932.7
18°	11475.2
19°	11009.7
20°	10568.8
22.5°	9476.8
25°	8422.0
27.5°	7289.0
30°	6036.4
32.5°	4693.0
35°	3403.4
37.5°	2344.5
40°	1516.4
42.5°	960.1
45°	609.8
47.5°	399.8
50°	251.4
52.5°	152.5
55°	98.8
57.5°	78.3
60°	49.4
62.5°	45.3
65°	24.8
67.5°	24.8
70°	20.7
72.5°	12.4
75°	0.0
77.5°	4.1
80°	4.1



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	8.3
85°	8.3
87.5°	4.1
90°	0.0

(END OF REPORT)