

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: P250012

Luminaire Tested: **LSR8B150D010 EC8B150940 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250012
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 EC8B150940 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12365.0 lumens
Efficiency: N/A
Efficacy: 78.0 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

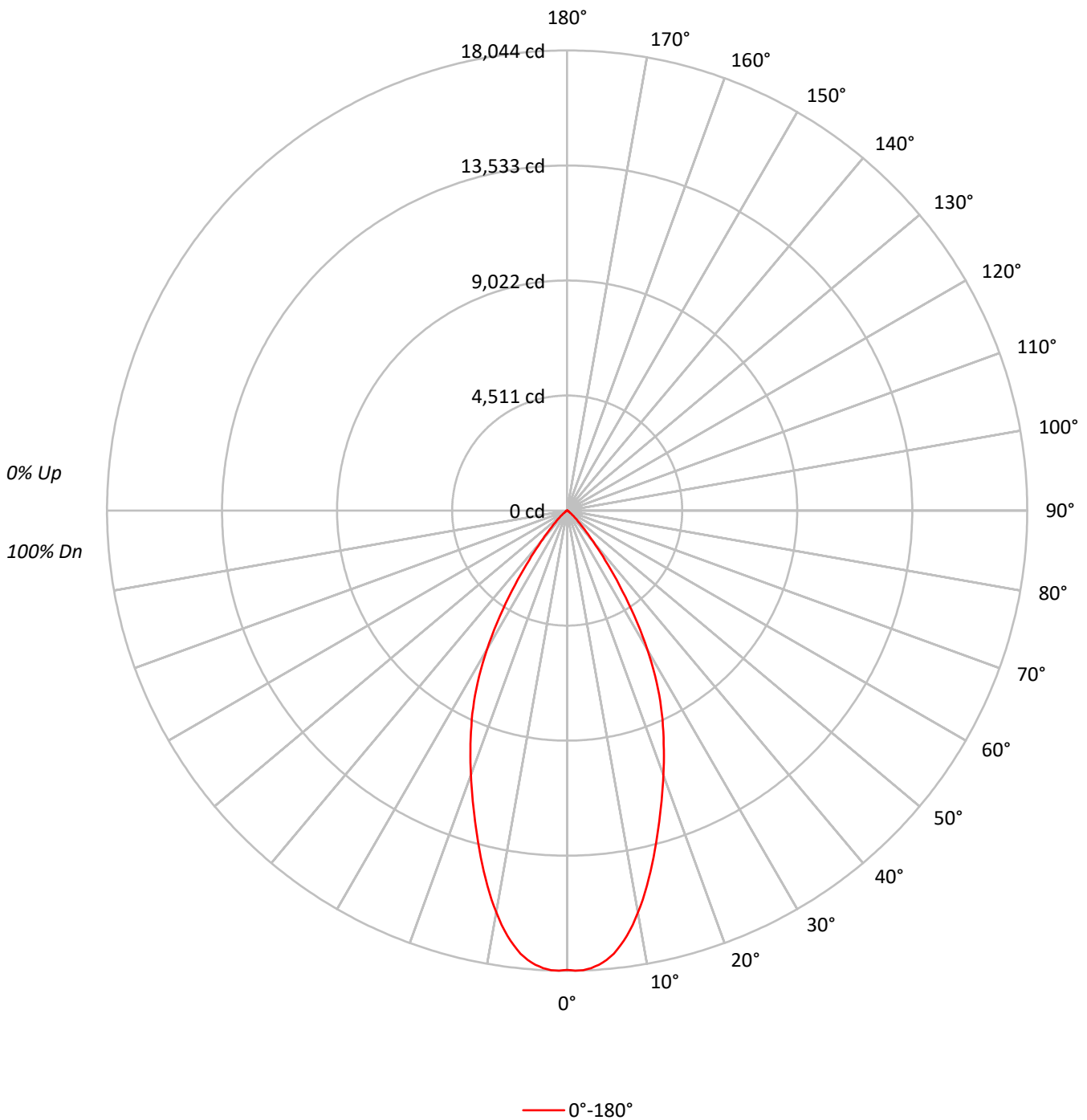
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	555359
5°	547625
10°	500998
15°	430149
20°	362229
25°	299283
30°	224486
35°	133810
40°	63754
45°	27775
50°	12593
55°	5548
60°	3182
65°	1890
70°	1947
75°	0
80°	764
85°	3043



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1634.6	13.2
10°-20°	3750.4	30.3
20°-30°	3984.4	32.2
30°-40°	2273.3	18.4
40°-50°	563.7	4.6
50°-60°	110.8	0.9
60°-70°	33.5	0.3
70°-80°	7.9	0.1
80°-90°	6.4	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°	9369.4	75.8
0°-40°	11642.7	94.2
0°-60°	12317.2	99.6
0°-90°	12365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12365.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18010	
5°	17692	###
15°	13474	3750
25°	8796	3984
35°	3555	2273
45°	637	564
55°	103	111
65°	26	33
75°	0	8
85°	9	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18009.9
1°	18044.4
2°	18031.5
3°	17966.9
4°	17855.1
5°	17691.5
6°	17476.4
7°	17179.4
8°	16839.4
9°	16439.3
10°	16000.2
11°	15535.6
12°	15036.2
13°	14528.5
14°	14007.7
15°	13474.1
16°	12970.6
17°	12462.8
18°	11985.1
19°	11498.9
20°	11038.4
22.5°	9897.9
25°	8796.2
27.5°	7612.9
30°	6304.6
32.5°	4901.6
35°	3554.6
37.5°	2448.6
40°	1583.8
42.5°	1002.8
45°	636.9
47.5°	417.5
50°	262.5
52.5°	159.3
55°	103.2
57.5°	81.8
60°	51.6
62.5°	47.3
65°	25.9
67.5°	25.9
70°	21.6
72.5°	12.9
75°	0.0
77.5°	4.3
80°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	8.6
85°	8.6
87.5°	4.3
90°	0.0

(END OF REPORT)