

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: P250001

Luminaire Tested: **LSR8B80D010 EC8B80935 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250001
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: LSR8B80D010 EC8B80935 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: 6288.0 lumens
Efficiency: N/A
Efficacy: 84.5 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

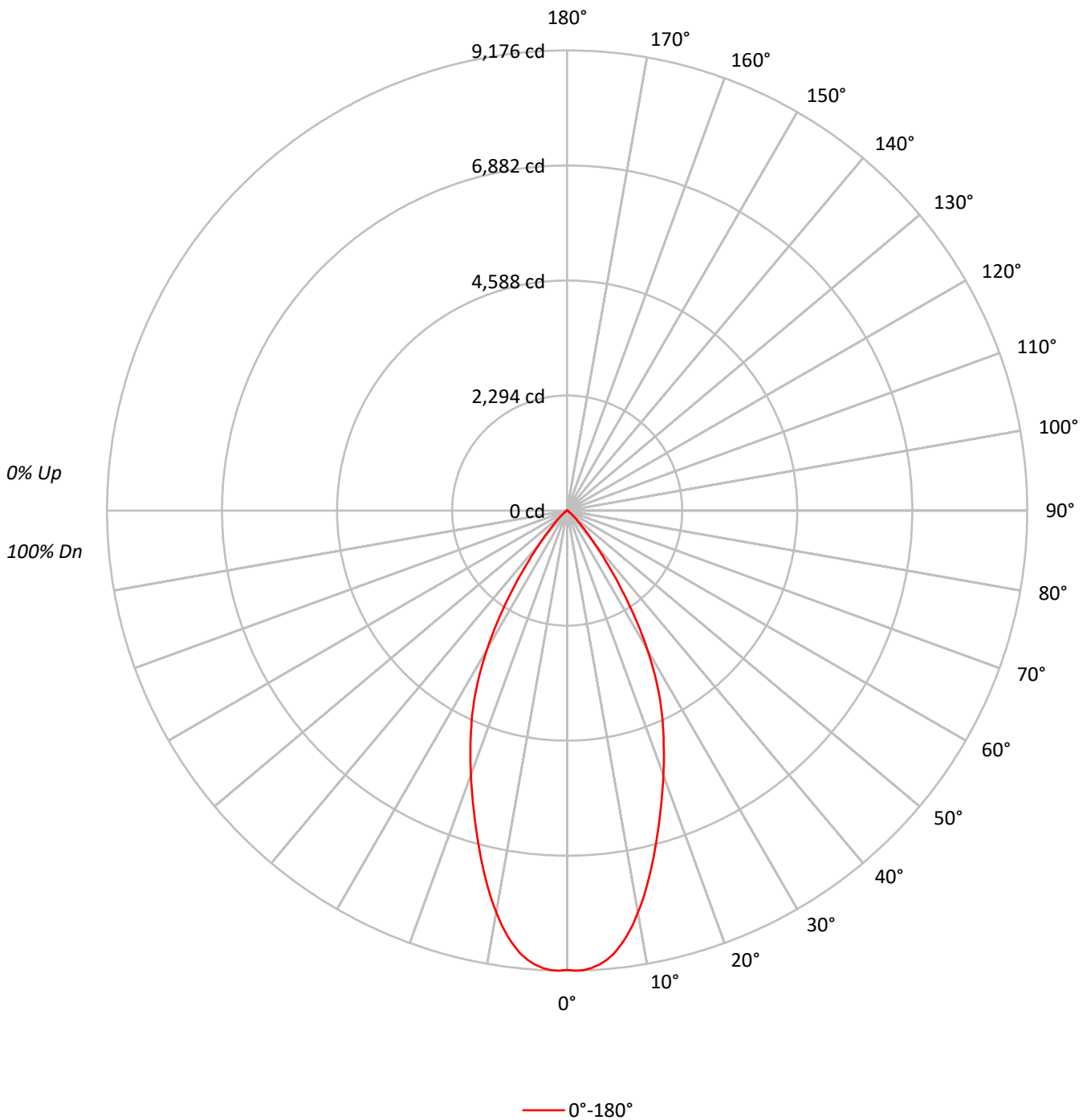
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	282417
5°	278485
10°	254773
15°	218744
20°	184206
25°	152193
30°	114159
35°	68046
40°	32421
45°	14125
50°	6404
55°	2822
60°	1616
65°	963
70°	992
75°	0
80°	391
85°	1557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	831.3	13.2
10°-20°	1907.2	30.3
20°-30°	2026.2	32.2
30°-40°	1156.0	18.4
40°-50°	286.6	4.6
50°-60°	56.4	0.9
60°-70°	17.0	0.3
70°-80°	4.0	0.1
80°-90°	3.3	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°	4764.6	75.8
0°-40°	5920.7	94.2
0°-60°	6263.7	99.6
0°-90°	6288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6288.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9159	
5°	8997	831
15°	6852	1907
25°	4473	2026
35°	1808	1156
45°	324	287
55°	52	56
65°	13	17
75°	0	4
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9158.6
1°	9176.2
2°	9169.6
3°	9136.8
4°	9079.9
5°	8996.7
6°	8887.3
7°	8736.3
8°	8563.4
9°	8359.9
10°	8136.6
11°	7900.3
12°	7646.4
13°	7388.2
14°	7123.4
15°	6852.0
16°	6596.0
17°	6337.8
18°	6094.8
19°	5847.6
20°	5613.4
22.5°	5033.4
25°	4473.1
27.5°	3871.4
30°	3206.1
32.5°	2492.6
35°	1807.6
37.5°	1245.2
40°	805.4
42.5°	510.0
45°	323.9
47.5°	212.3
50°	133.5
52.5°	81.0
55°	52.5
57.5°	41.6
60°	26.2
62.5°	24.0
65°	13.2
67.5°	13.2
70°	11.0
72.5°	6.6
75°	0.0
77.5°	2.2
80°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.4
85°	4.4
87.5°	2.2
90°	0.0

(END OF REPORT)