

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: P247290

Luminaire Tested: **LSR8B80D010 EC8B80830 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80830 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7655.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

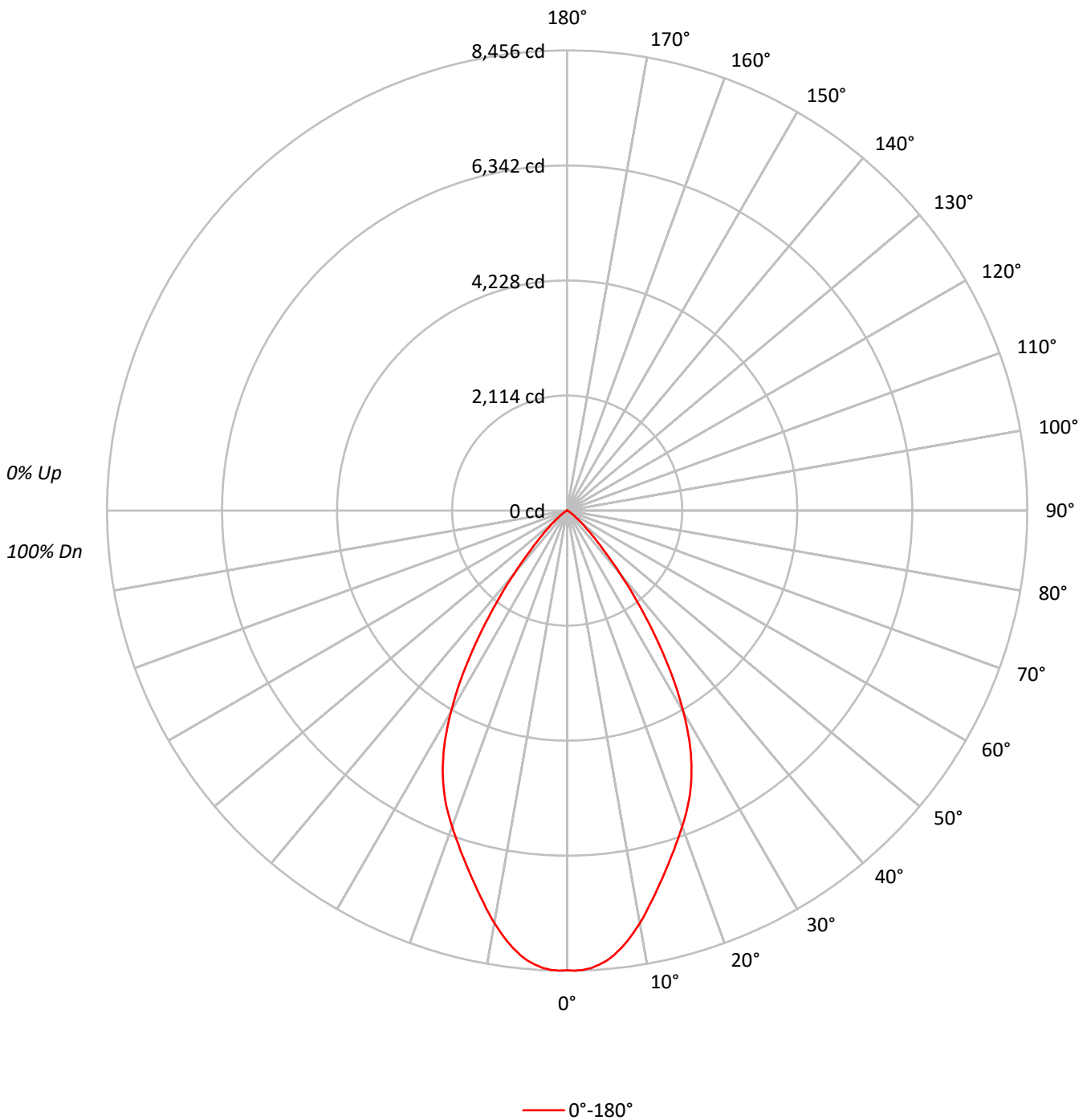
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	260391
5°	257034
10°	240971
15°	220353
20°	202858
25°	183812
30°	152201
35°	106740
40°	60739
45°	29811
50°	14704
55°	6672
60°	3164
65°	1715
70°	171
75°	226
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.7	10.1
10°-20°	1937.6	25.3
20°-30°	2446.0	32.0
30°-40°	1759.5	23.0
40°-50°	582.4	7.6
50°-60°	126.8	1.7
60°-70°	26.1	0.3
70°-80°	2.5	0.0
80°-90°	1.3	0.0
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°	5156.3	67.4
0°-40°	6915.8	90.3
0°-60°	7625.0	99.6
0°-90°	7655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7655.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8444	
5°	8304	773
15°	6902	1938
25°	5402	2446
35°	2836	1760
45°	684	582
55°	124	127
65°	24	26
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8444.3
1°	8456.1
2°	8446.2
3°	8418.4
4°	8366.6
5°	8303.7
6°	8217.4
7°	8104.9
8°	7980.8
9°	7845.1
10°	7695.8
11°	7543.4
12°	7377.5
13°	7217.6
14°	7056.8
15°	6902.4
16°	6750.5
17°	6604.9
18°	6460.5
19°	6321.6
20°	6181.8
21°	6038.6
22°	5898.8
23°	5746.7
24°	5582.7
25°	5402.4
26°	5213.3
27°	5002.6
28°	4779.8
29°	4532.4
30°	4274.5
31°	4003.3
32°	3717.9
33°	3418.4
34°	3125.5
35°	2835.5
37.5°	2129.4
40°	1508.9
42.5°	1022.2
45°	683.6
47.5°	458.6
50°	306.5
52.5°	185.0
55°	124.1
57.5°	86.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	51.3
62.5°	35.1
65°	23.5
67.5°	21.0
70°	1.9
72.5°	4.8
75°	1.9
77.5°	1.9
80°	0.0
82.5°	4.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)