

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: P250757

Luminaire Tested: **LSR8B80D010 EC8B80935 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80935 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7123.0 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

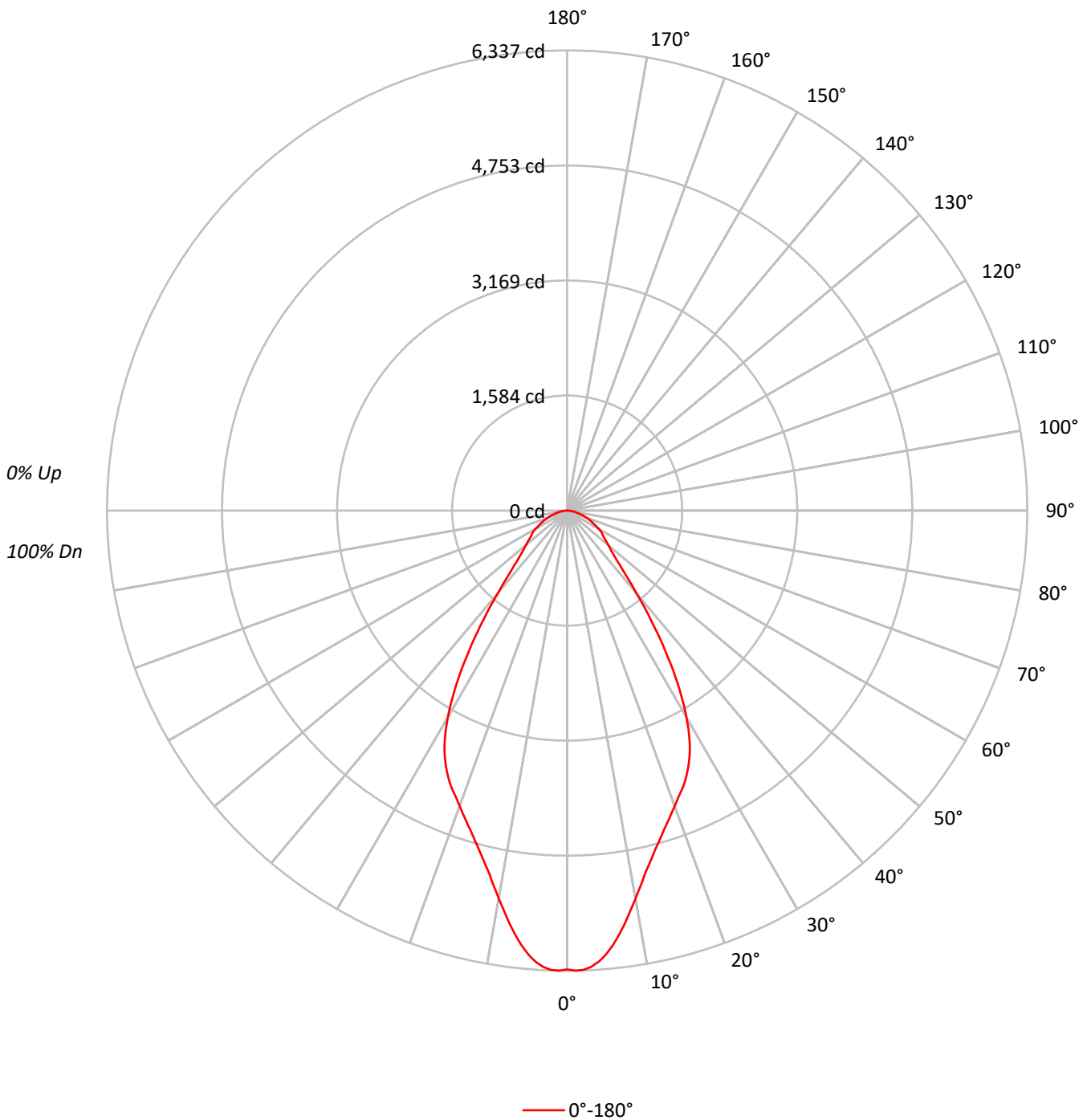
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194839
5°	189903
10°	169774
15°	152565
20°	142084
25°	133854
30°	117039
35°	88671
40°	59564
45°	41969
50°	35591
55°	32461
60°	30756
65°	27668
70°	24893
75°	22339
80°	19765
85°	18964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.5	7.9
10°-20°	1347.8	18.9
20°-30°	1786.0	25.1
30°-40°	1464.6	20.6
40°-50°	780.0	11.0
50°-60°	549.0	7.7
60°-70°	378.6	5.3
70°-80°	197.2	2.8
80°-90°	58.3	0.8
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°	3695.3	51.9
0°-40°	5159.9	72.4
0°-60°	6488.9	91.1
0°-90°	7123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7123.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6318	
5°	6135	562
15°	4779	1348
25°	3934	1786
35°	2356	1465
45°	962	780
55°	604	549
65°	379	379
75°	188	197
85°	54	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6318.5
1°	6337.0
2°	6328.8
3°	6291.6
4°	6227.8
5°	6135.0
6°	6019.6
7°	5881.6
8°	5733.2
9°	5574.5
10°	5422.0
11°	5275.7
12°	5127.3
13°	5003.6
14°	4886.2
15°	4779.0
16°	4678.0
17°	4585.3
18°	4498.7
19°	4412.2
20°	4329.8
21°	4249.4
22°	4179.3
23°	4107.2
24°	4022.7
25°	3934.1
26°	3833.1
27°	3719.8
28°	3592.0
29°	3449.8
30°	3287.0
31°	3115.9
32°	2936.7
33°	2745.0
34°	2553.4
35°	2355.5
37.5°	1887.7
40°	1479.7
42.5°	1168.5
45°	962.4
47.5°	826.4
50°	741.9
52.5°	667.7
55°	603.8
57.5°	564.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	498.7
62.5°	434.8
65°	379.2
67.5°	329.7
70°	276.1
72.5°	230.8
75°	187.5
77.5°	136.0
80°	111.3
82.5°	80.4
85°	53.6
87.5°	24.7
90°	0.0

(END OF REPORT)