

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: P247318

Luminaire Tested: **LSR8B80D010 EC8B80940 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247318
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 EC8B80940 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7090.0 lumens
Efficiency: N/A
Efficacy: 95.3 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

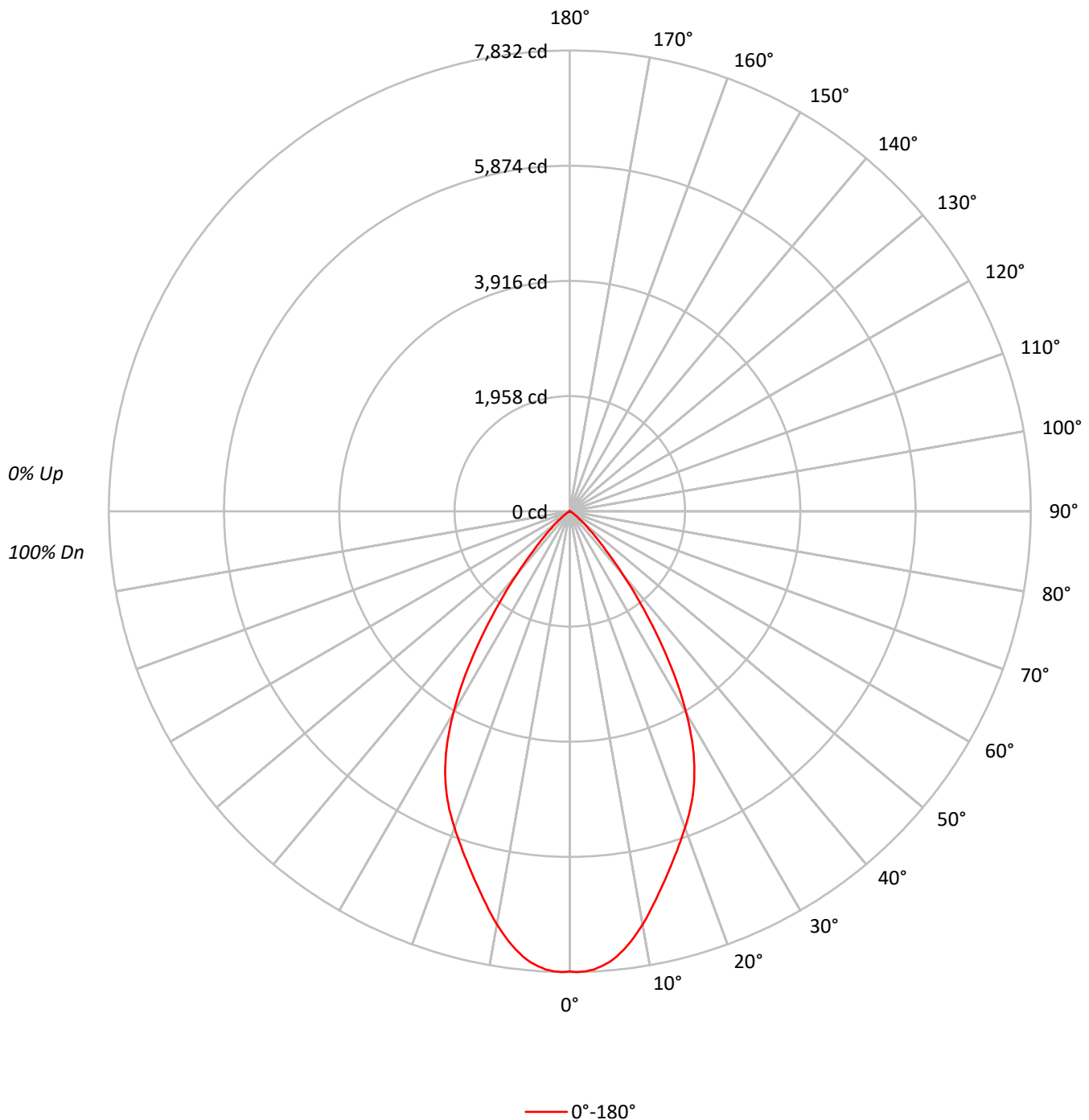
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95	
2	108	103	99	95		105	101	97	94		98	95	92		95	92	90		92	90	88	
3	102	95	90	86		100	94	89	86		91	87	84		89	86	83		87	84	82	
4	97	89	83	79		95	88	82	78		86	81	77		84	80	77		82	78	76	
5	92	83	77	73		90	82	76	72		80	75	72		79	74	71		77	73	70	
6	87	78	72	67		85	77	71	67		75	70	66		74	69	66		73	69	66	
7	82	73	67	62		81	72	66	62		71	66	62		70	65	61		68	64	61	
8	78	68	62	58		77	68	62	58		67	61	58		66	61	57		65	60	57	
9	74	64	58	54		73	64	58	54		63	58	54		62	57	54		61	57	54	
10	71	61	55	51		70	60	55	51		60	54	51		59	54	51		58	54	50	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	241171
5°	238062
10°	223186
15°	204091
20°	187887
25°	170246
30°	140967
35°	98861
40°	56259
45°	27609
50°	13619
55°	6177
60°	2929
65°	1583
70°	162
75°	214
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.7	10.1
10°-20°	1794.6	25.3
20°-30°	2265.4	32.0
30°-40°	1629.6	23.0
40°-50°	539.4	7.6
50°-60°	117.5	1.7
60°-70°	24.2	0.3
70°-80°	2.4	0.0
80°-90°	1.2	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°	4775.8	67.4
0°-40°	6405.4	90.3
0°-60°	7062.3	99.6
0°-90°	7090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7090.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7821	
5°	7691	716
15°	6393	1795
25°	5004	2265
35°	2626	1630
45°	633	539
55°	115	117
65°	22	24
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7821.0
1°	7832.0
2°	7822.8
3°	7797.0
4°	7749.1
5°	7690.8
6°	7610.8
7°	7506.7
8°	7391.7
9°	7266.1
10°	7127.8
11°	6986.7
12°	6833.0
13°	6684.9
14°	6535.9
15°	6393.0
16°	6252.3
17°	6117.4
18°	5983.6
19°	5855.1
20°	5725.6
21°	5592.9
22°	5463.4
23°	5322.5
24°	5170.6
25°	5003.7
26°	4828.5
27°	4633.4
28°	4427.0
29°	4197.8
30°	3959.0
31°	3707.9
32°	3443.5
33°	3166.1
34°	2894.8
35°	2626.2
37.5°	1972.2
40°	1397.6
42.5°	946.8
45°	633.1
47.5°	424.8
50°	283.9
52.5°	171.4
55°	114.9
57.5°	80.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	47.5
62.5°	32.5
65°	21.7
67.5°	19.5
70°	1.8
72.5°	4.5
75°	1.8
77.5°	1.8
80°	0.0
82.5°	4.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)