

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: P247323

Luminaire Tested: **LSR8B90D010 EC8B90950 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247323
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: LSR8B90D010 EC8B90950 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8268.0 lumens
Efficiency: N/A
Efficacy: 96.0 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

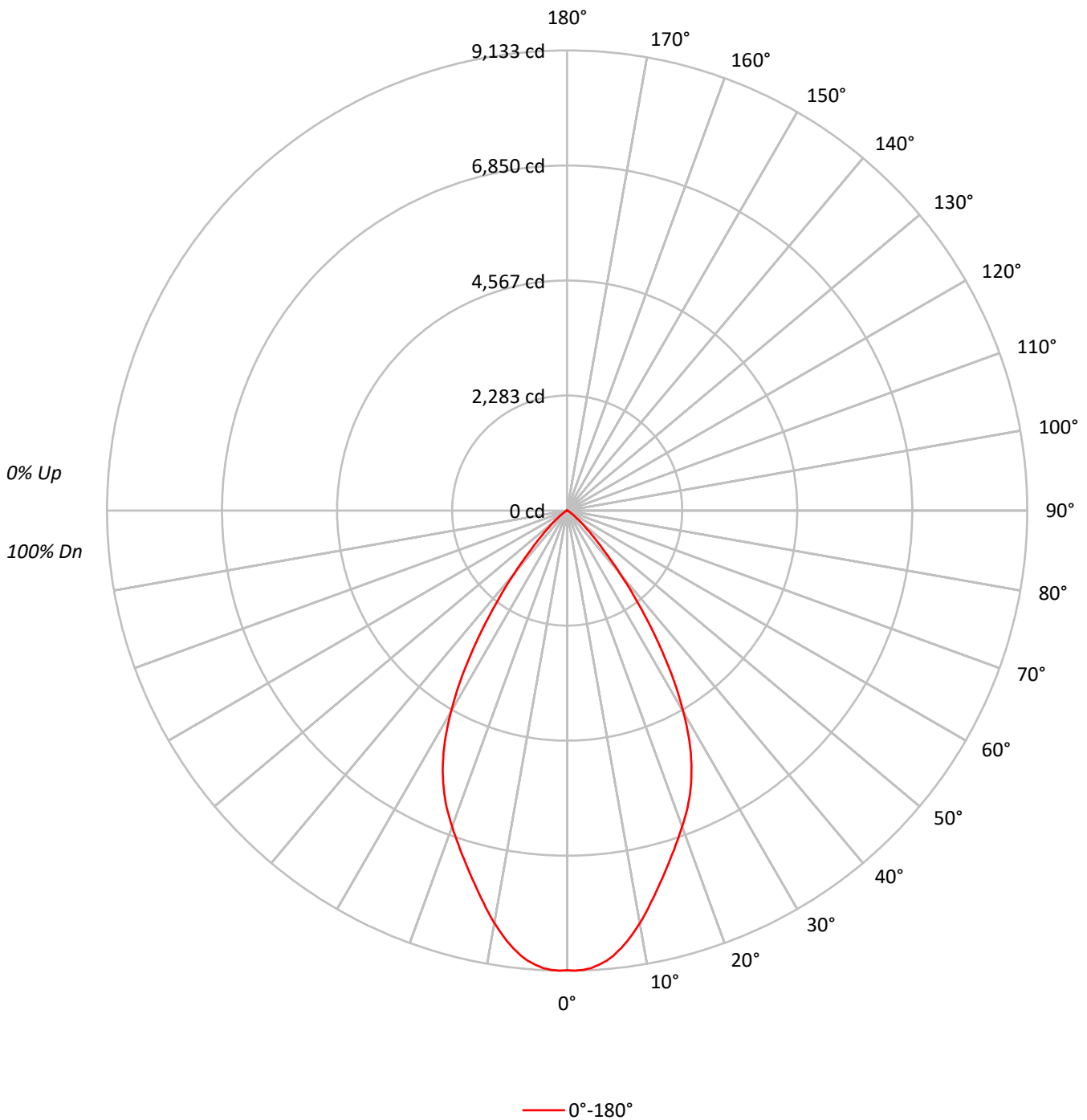
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	281243
5°	277618
10°	260269
15°	238001
20°	219105
25°	198534
30°	164389
35°	115285
40°	65606
45°	32197
50°	15879
55°	7204
60°	3417
65°	1846
70°	189
75°	250
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.6	10.1
10°-20°	2092.8	25.3
20°-30°	2641.9	32.0
30°-40°	1900.4	23.0
40°-50°	629.0	7.6
50°-60°	137.0	1.7
60°-70°	28.2	0.3
70°-80°	2.7	0.0
80°-90°	1.4	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°	5569.3	67.4
0°-40°	7469.7	90.3
0°-60°	8235.7	99.6
0°-90°	8268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8268.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9120	
5°	8969	835
15°	7455	2093
25°	5835	2642
35°	3062	1900
45°	738	629
55°	134	137
65°	25	28
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9120.5
1°	9133.3
2°	9122.5
3°	9092.5
4°	9036.6
5°	8968.7
6°	8875.4
7°	8753.9
8°	8619.9
9°	8473.3
10°	8312.1
11°	8147.5
12°	7968.3
13°	7795.6
14°	7621.8
15°	7455.2
16°	7291.1
17°	7133.8
18°	6977.8
19°	6827.9
20°	6676.9
21°	6522.2
22°	6371.2
23°	6206.8
24°	6029.7
25°	5835.1
26°	5630.8
27°	5403.2
28°	5162.6
29°	4895.3
30°	4616.8
31°	4323.9
32°	4015.6
33°	3692.2
34°	3375.8
35°	3062.5
37.5°	2299.9
40°	1629.8
42.5°	1104.1
45°	738.3
47.5°	495.4
50°	331.0
52.5°	199.9
55°	134.0
57.5°	93.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	55.4
62.5°	37.9
65°	25.3
67.5°	22.7
70°	2.1
72.5°	5.2
75°	2.1
77.5°	2.1
80°	0.0
82.5°	5.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)