

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: P246959

Luminaire Tested: **LSR8B90D010 EC8B90835 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B90D010 EC8B90835 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9688.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

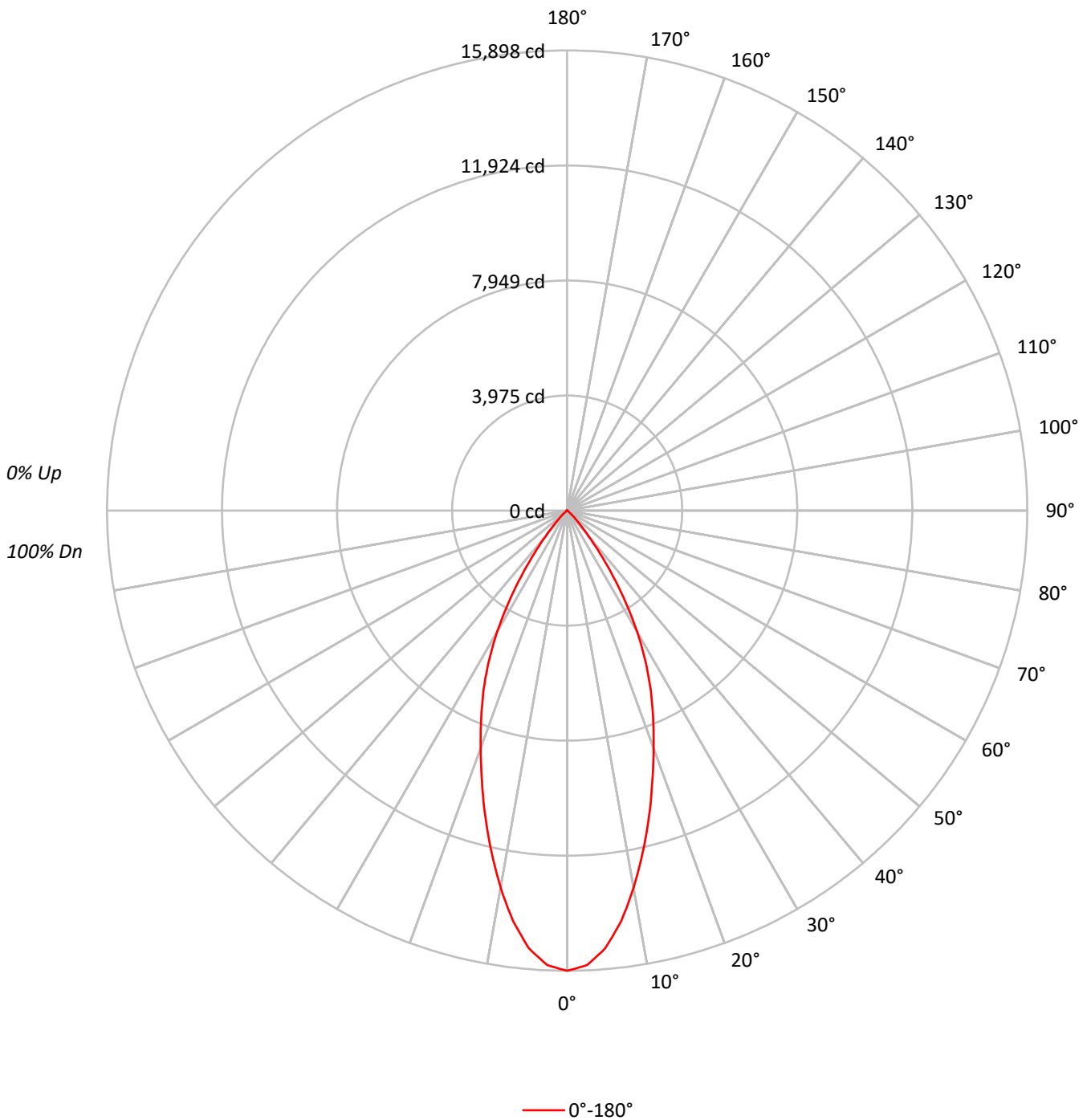
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	490245
5°	469806
10°	414264
15°	349122
20°	286652
25°	232334
30°	171998
35°	103533
40°	46107
45°	17928
50°	6428
55°	1876
60°	1320
65°	985
70°	99
75°	536
80°	0
85°	1592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1385.6	14.3
10°-20°	3037.5	31.4
20°-30°	3097.8	32.0
30°-40°	1735.0	17.9
40°-50°	370.0	3.8
50°-60°	45.8	0.5
60°-70°	11.9	0.1
70°-80°	2.8	0.0
80°-90°	1.5	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°	7520.9	77.6
0°-40°	9255.9	95.5
0°-60°	9671.7	99.8
0°-90°	9688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9688.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15898	
5°	15178	###
15°	10936	3038
25°	6828	3098
35°	2750	1735
45°	411	370
55°	35	46
65°	14	12
75°	4	3
85°	4	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15898.3
2.5°	15719.2
5°	15177.5
7.5°	14305.8
10°	13230.2
12.5°	12075.8
15°	10936.0
17.5°	9789.5
20°	8735.3
22.5°	7754.3
25°	6828.5
27.5°	5856.6
30°	4830.5
32.5°	3758.3
35°	2750.3
37.5°	1842.6
40°	1145.4
42.5°	684.8
45°	411.1
47.5°	228.6
50°	134.0
52.5°	71.0
55°	34.9
57.5°	24.8
60°	21.4
62.5°	10.1
65°	13.5
67.5°	13.5
70°	1.1
72.5°	3.4
75°	4.5
77.5°	2.3
80°	0.0
82.5°	1.1
85°	4.5
87.5°	0.0
90°	0.0

(END OF REPORT)