

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: P246995

Luminaire Tested: **LSR8B90D010 EC8B90930 8LBM0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246995  
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 EC8B90930 8LBM0LI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8000.6 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

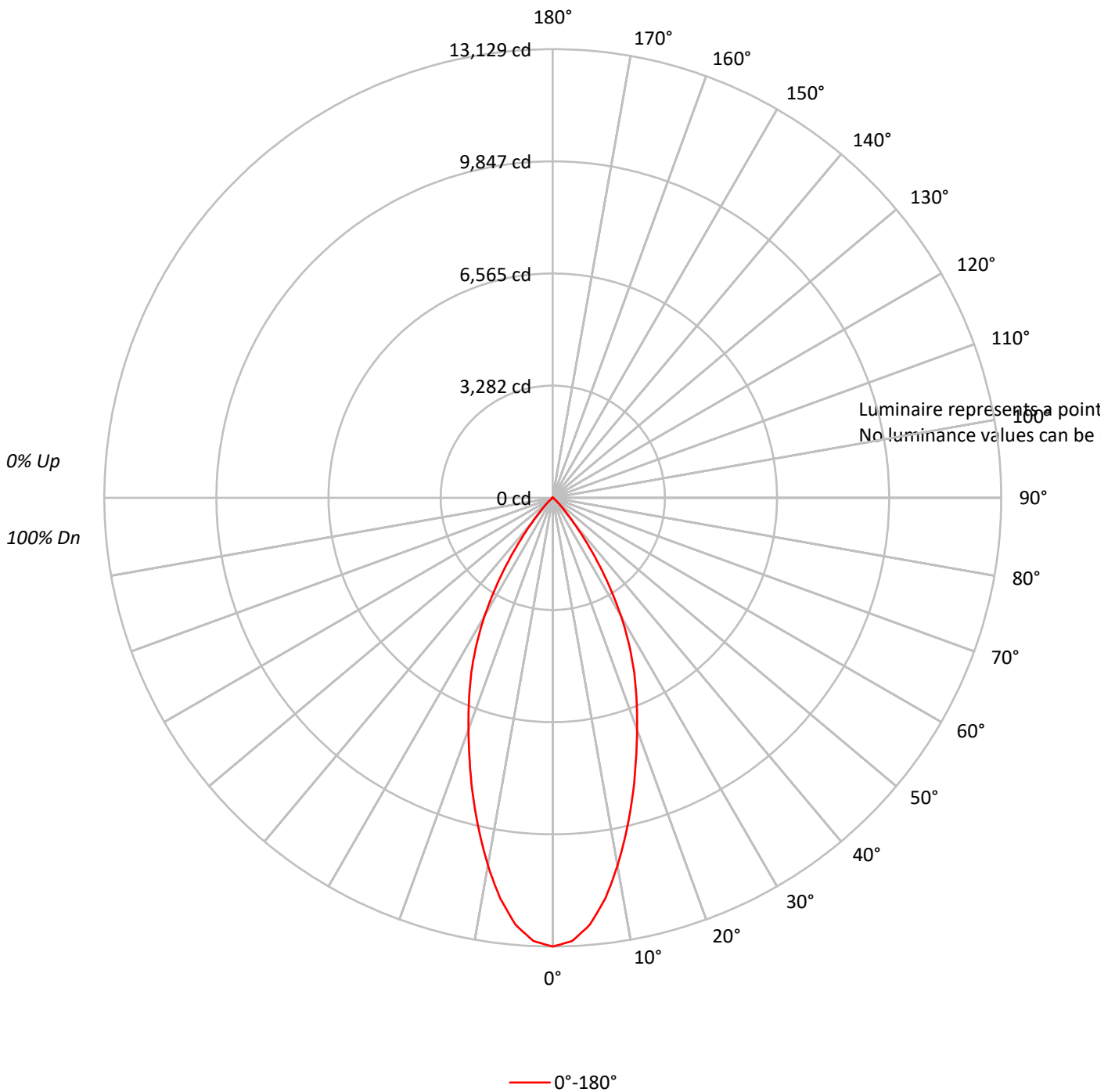
Input Watts (W): 86.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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							
RW	70	50	30	10	70	50	30	10	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	111	106	106	106	106	102	102	102	102	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	102	101	100	99	99	98	97	96	96	94	94	94	94
2	109	104	100	97	107	102	99	96	99	96	94	94	96	94	92	92	94	92	90	90	88	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	87	91	88	86	86	89	87	85	85	83	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	81	87	83	80	80	85	82	79	79	78	78	78	78
5	94	87	81	77	93	86	81	77	84	79	76	76	82	78	75	75	81	77	75	75	73	73	73	73
6	90	82	76	72	89	81	76	72	79	75	71	71	78	74	71	71	77	73	70	70	69	69	69	69
7	86	77	72	68	85	77	71	68	75	71	67	67	74	70	67	67	73	69	67	67	65	65	65	65
8	82	73	68	64	81	73	67	64	72	67	63	63	71	66	63	63	70	66	63	63	62	62	62	62
9	79	70	64	60	78	69	64	60	68	63	60	60	67	63	60	60	67	63	60	60	58	58	58	58
10	75	66	61	57	74	66	61	57	65	60	57	57	64	60	57	57	64	60	57	57	55	55	55	55

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1144.3	14.3
10°-20°	2508.4	31.4
20°-30°	2558.2	32.0
30°-40°	1432.8	17.9
40°-50°	305.5	3.8
50°-60°	37.8	0.5
60°-70°	9.9	0.1
70°-80°	2.3	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°	6210.9	77.6
0°-40°	7643.7	95.5
0°-60°	7987.1	99.8
0°-90°	8000.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8000.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13129	
5°	12534	###
15°	9031	2508
25°	5639	2558
35°	2271	1433
45°	339	306
55°	29	38
65°	11	10
75°	4	2
85°	4	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13129.2
2.5°	12981.3
5°	12533.9
7.5°	11814.1
10°	10925.8
12.5°	9972.4
15°	9031.2
17.5°	8084.4
20°	7213.9
22.5°	6403.7
25°	5639.2
27.5°	4836.4
30°	3989.2
32.5°	3103.7
35°	2271.3
37.5°	1521.6
40°	945.9
42.5°	565.5
45°	339.4
47.5°	188.8
50°	110.6
52.5°	58.6
55°	28.8
57.5°	20.5
60°	17.7
62.5°	8.4
65°	11.2
67.5°	11.2
70°	0.9
72.5°	2.8
75°	3.7
77.5°	1.9
80°	0.0
82.5°	0.9
85°	3.7
87.5°	0.0
90°	0.0

(END OF REPORT)