

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: P249946

Luminaire Tested: **LSR8B90D010 EC8B90930 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B90D010 EC8B90930 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7569.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

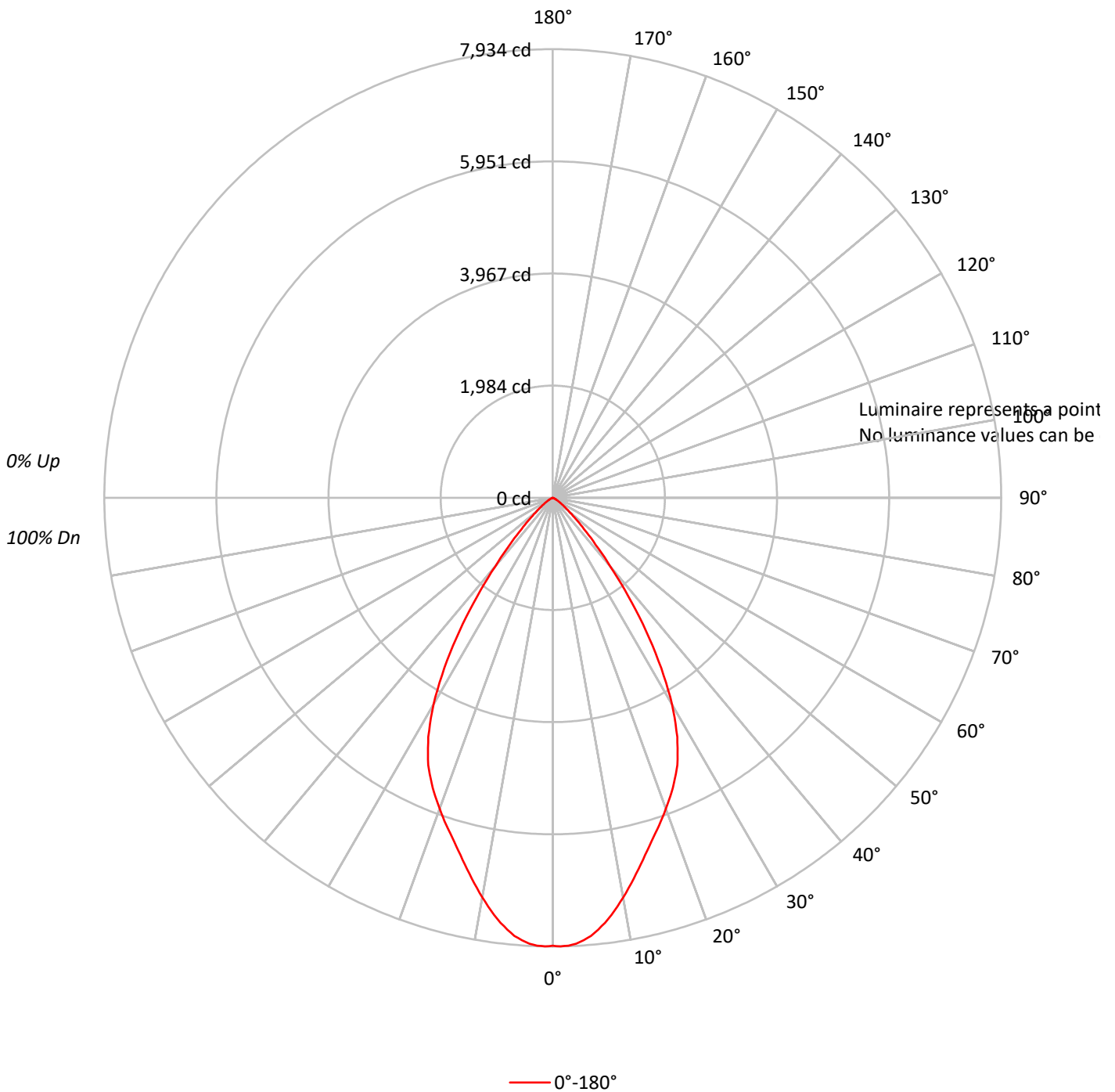
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100		
1	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93	93	93	93	93		
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86	86	86	86	86		
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79	79	79	79	79		
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73	73	73	73	73		
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68	68	68	68	68		
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63	63		
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58	58	58	58	58		
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54	54	54	54	54		
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51	51	51	51	51		
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48	48	48	48	48		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.2	9.5
10°-20°	1817.2	24.0
20°-30°	2359.1	31.2
30°-40°	1780.6	23.5
40°-50°	651.5	8.6
50°-60°	182.1	2.4
60°-70°	47.9	0.6
70°-80°	8.1	0.1
80°-90°	0.3	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°	4898.5	64.7
0°-40°	6679.1	88.2
0°-60°	7512.7	99.3
0°-90°	7569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7569.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7922	
5°	7776	722
15°	6459	1817
25°	5215	2359
35°	2875	1781
45°	781	652
55°	186	182
65°	45	48
75°	7	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7922.3
1°	7934.1
2°	7924.7
3°	7894.0
4°	7842.1
5°	7775.9
6°	7679.2
7°	7572.9
8°	7450.2
9°	7315.6
10°	7174.0
11°	7032.4
12°	6886.0
13°	6737.3
14°	6595.6
15°	6458.8
16°	6328.8
17°	6203.7
18°	6090.5
19°	5972.5
20°	5852.1
22.5°	5552.2
25°	5214.7
27.5°	4768.5
30°	4225.5
32.5°	3571.6
35°	2875.3
37.5°	2195.4
40°	1584.0
42.5°	1121.3
45°	781.3
47.5°	550.1
50°	370.6
52.5°	271.5
55°	186.5
57.5°	134.5
60°	89.7
62.5°	66.1
65°	44.8
67.5°	30.7
70°	16.5
72.5°	11.8
75°	7.1
77.5°	2.4
80°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)