

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: P249939

Luminaire Tested: **LSR8B90D010 EC8B90927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249939
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 EC8B90927 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7179.8 lumens
Efficiency: N/A
Efficacy: 83.4 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

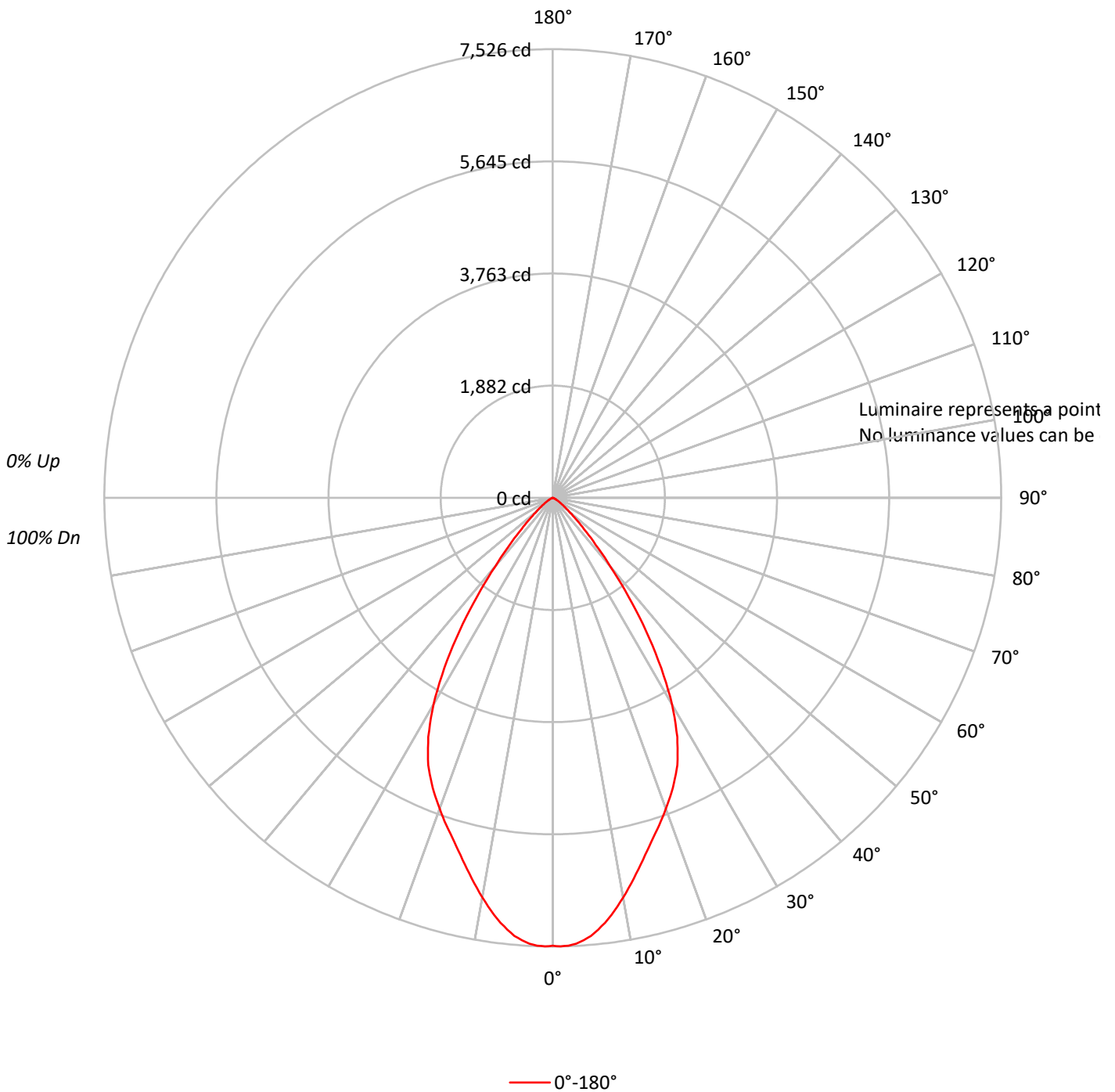
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249939

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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.1	9.5
10°-20°	1723.7	24.0
20°-30°	2237.8	31.2
30°-40°	1689.0	23.5
40°-50°	618.1	8.6
50°-60°	172.7	2.4
60°-70°	45.4	0.6
70°-80°	7.6	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°	4646.6	64.7
0°-40°	6335.6	88.2
0°-60°	7126.4	99.3
0°-90°	7179.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7179.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7515	
5°	7376	685
15°	6126	1724
25°	4946	2238
35°	2728	1689
45°	741	618
55°	177	173
65°	42	45
75°	7	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7514.9
1°	7526.1
2°	7517.1
3°	7488.0
4°	7438.7
5°	7376.1
6°	7284.3
7°	7183.5
8°	7067.0
9°	6939.4
10°	6805.0
11°	6670.7
12°	6531.9
13°	6390.8
14°	6256.5
15°	6126.5
16°	6003.4
17°	5884.8
18°	5777.2
19°	5665.3
20°	5551.1
22.5°	5266.7
25°	4946.5
27.5°	4523.3
30°	4008.3
32.5°	3387.9
35°	2727.5
37.5°	2082.5
40°	1502.6
42.5°	1063.7
45°	741.2
47.5°	521.8
50°	351.6
52.5°	257.5
55°	176.8
57.5°	127.7
60°	85.0
62.5°	62.7
65°	42.5
67.5°	29.1
70°	15.6
72.5°	11.2
75°	6.8
77.5°	2.2
80°	2.2



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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)