

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 EC8B909727 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 EC8B909727 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: 6382.0 lumens
Efficiency: N/A
Efficacy: 74.1 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

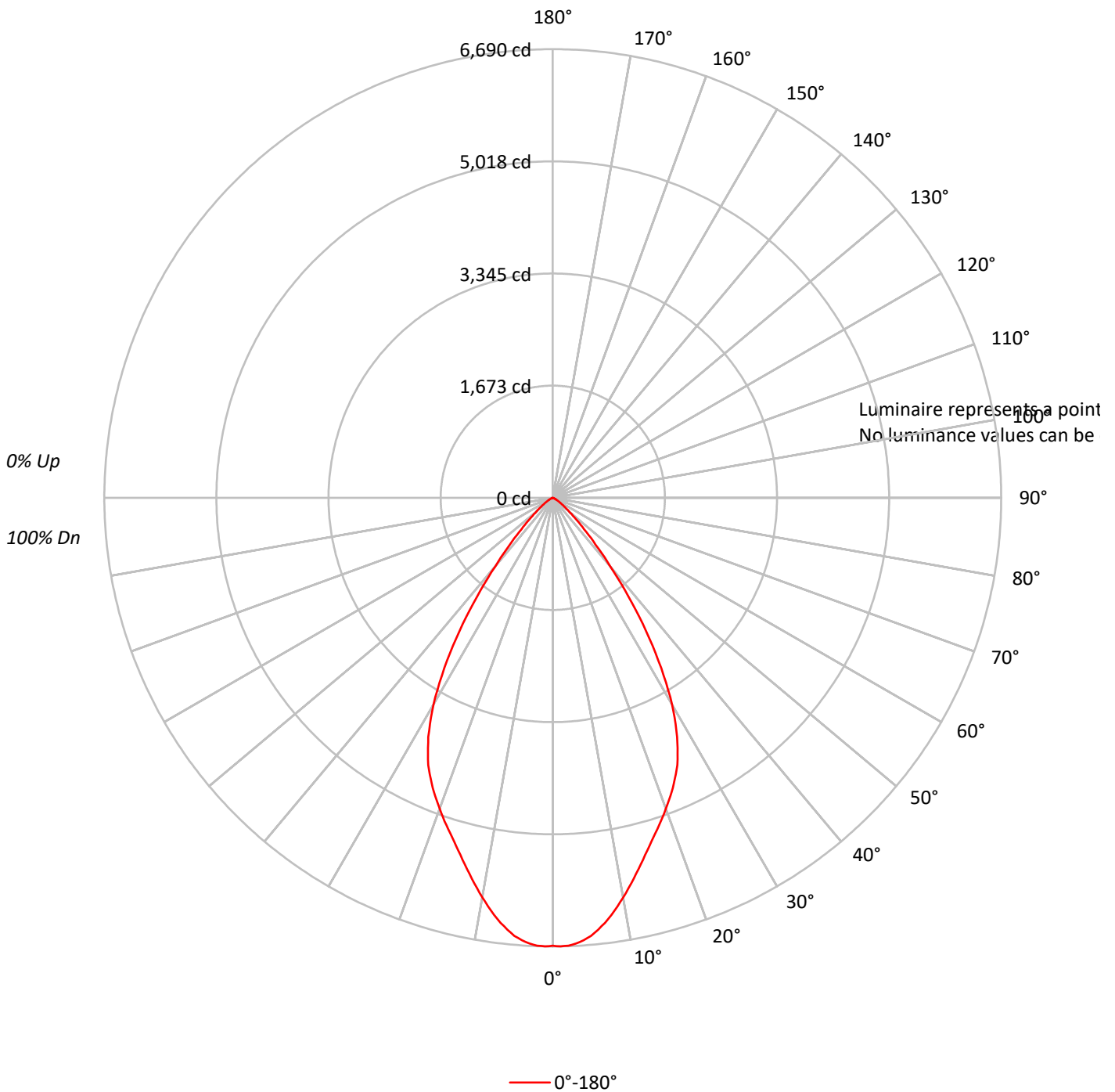
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	609.0	9.5
10°-20°	1532.2	24.0
20°-30°	1989.1	31.2
30°-40°	1501.4	23.5
40°-50°	549.4	8.6
50°-60°	153.6	2.4
60°-70°	40.3	0.6
70°-80°	6.8	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°	4130.3	64.7
0°-40°	5631.7	88.2
0°-60°	6334.6	99.3
0°-90°	6382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6382.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6680	
5°	6556	609
15°	5446	1532
25°	4397	1989
35°	2424	1501
45°	659	549
55°	157	154
65°	38	40
75°	6	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6679.9
1°	6689.9
2°	6681.9
3°	6656.0
4°	6612.2
5°	6556.5
6°	6474.9
7°	6385.3
8°	6281.8
9°	6168.4
10°	6048.9
11°	5929.5
12°	5806.1
13°	5680.7
14°	5561.3
15°	5445.8
16°	5336.4
17°	5230.9
18°	5135.3
19°	5035.8
20°	4934.3
22.5°	4681.5
25°	4396.9
27.5°	4020.7
30°	3562.9
32.5°	3011.5
35°	2424.4
37.5°	1851.1
40°	1335.6
42.5°	945.5
45°	658.8
47.5°	463.8
50°	312.5
52.5°	228.9
55°	157.2
57.5°	113.5
60°	75.6
62.5°	55.7
65°	37.8
67.5°	25.9
70°	13.9
72.5°	10.0
75°	6.0
77.5°	2.0
80°	2.0



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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)