

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: P244422

Luminaire Tested: **LSR8B10D010 EC8B10940 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10940 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 987.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

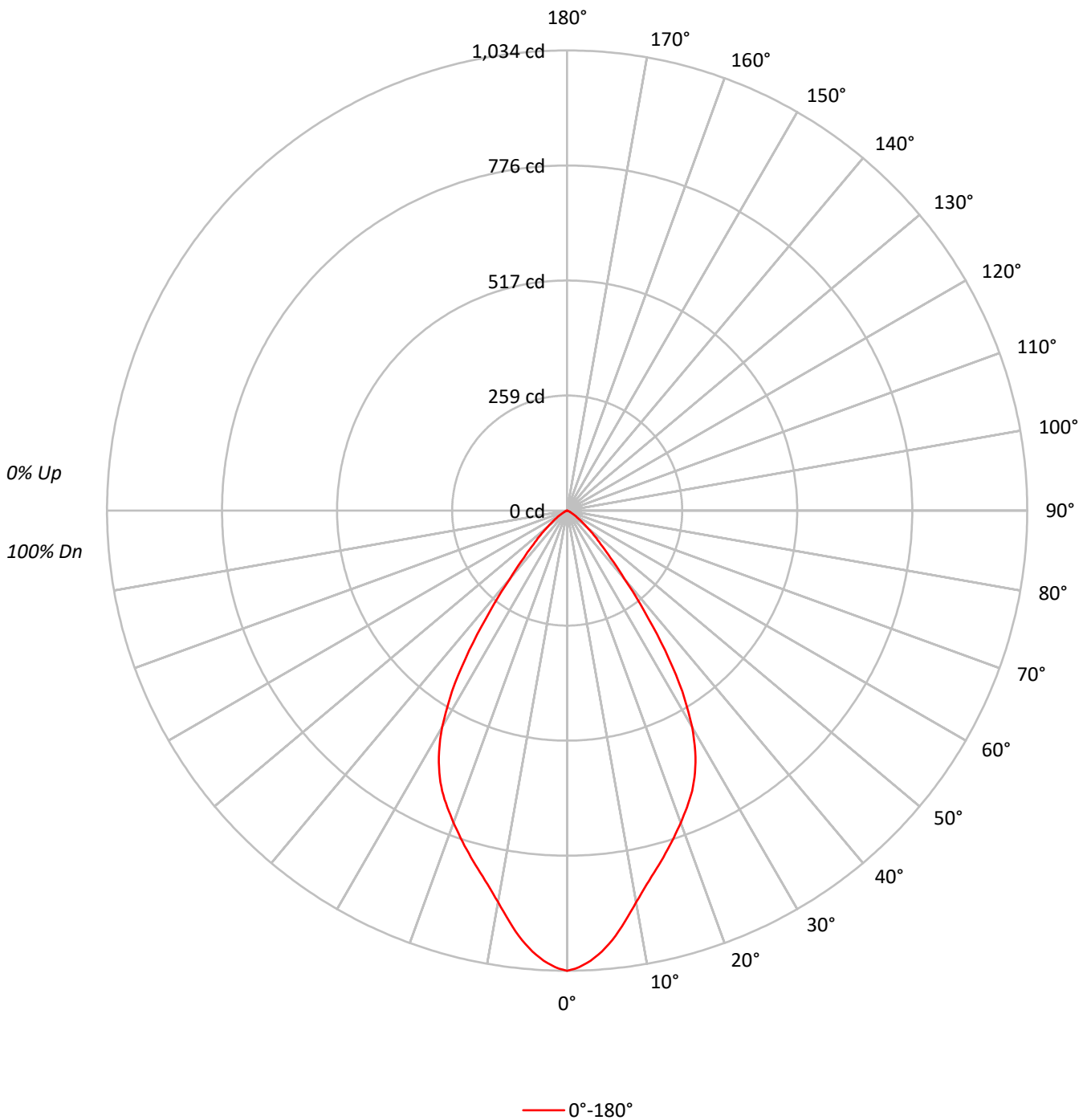
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31891
5°	30539
10°	27984
15°	26040
20°	24490
25°	22915
30°	19982
35°	14444
40°	8095
45°	4657
50°	2850
55°	1624
60°	845
65°	430
70°	234
75°	143
80°	89
85°	71



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	9.2
10°-20°	229.3	23.2
20°-30°	306.0	31.0
30°-40°	235.8	23.9
40°-50°	87.9	8.9
50°-60°	28.8	2.9
60°-70°	6.6	0.7
70°-80°	1.4	0.1
80°-90°	0.2	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°	626.3	63.5
0°-40°	862.2	87.4
0°-60°	978.8	99.2
0°-90°	987.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1034	
5°	987	91
15°	816	229
25°	674	306
35°	384	236
45°	107	88
55°	30	29
65°	6	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1034.2
1°	1029.8
2°	1022.2
3°	1012.6
4°	1000.8
5°	986.6
6°	970.6
7°	952.2
8°	932.6
9°	912.3
10°	893.7
11°	875.8
12°	859.0
13°	843.7
14°	829.6
15°	815.7
16°	801.5
17°	787.8
18°	773.7
19°	759.8
20°	746.3
21°	732.4
22°	719.0
23°	704.8
24°	690.0
25°	673.5
26°	655.3
27°	635.3
28°	613.1
29°	588.3
30°	561.2
32.5°	481.8
35°	383.7
37.5°	284.1
40°	201.1
42.5°	144.1
45°	106.8
47.5°	80.4
50°	59.4
52.5°	42.4
55°	30.2
57.5°	20.8
60°	13.7
62.5°	9.0
65°	5.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.0
70°	2.6
72.5°	1.7
75°	1.2
77.5°	0.7
80°	0.5
82.5°	0.2
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)