

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: P244362

Luminaire Tested: **LSR8B10D010 EC8B10927 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10927 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE 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: 819.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

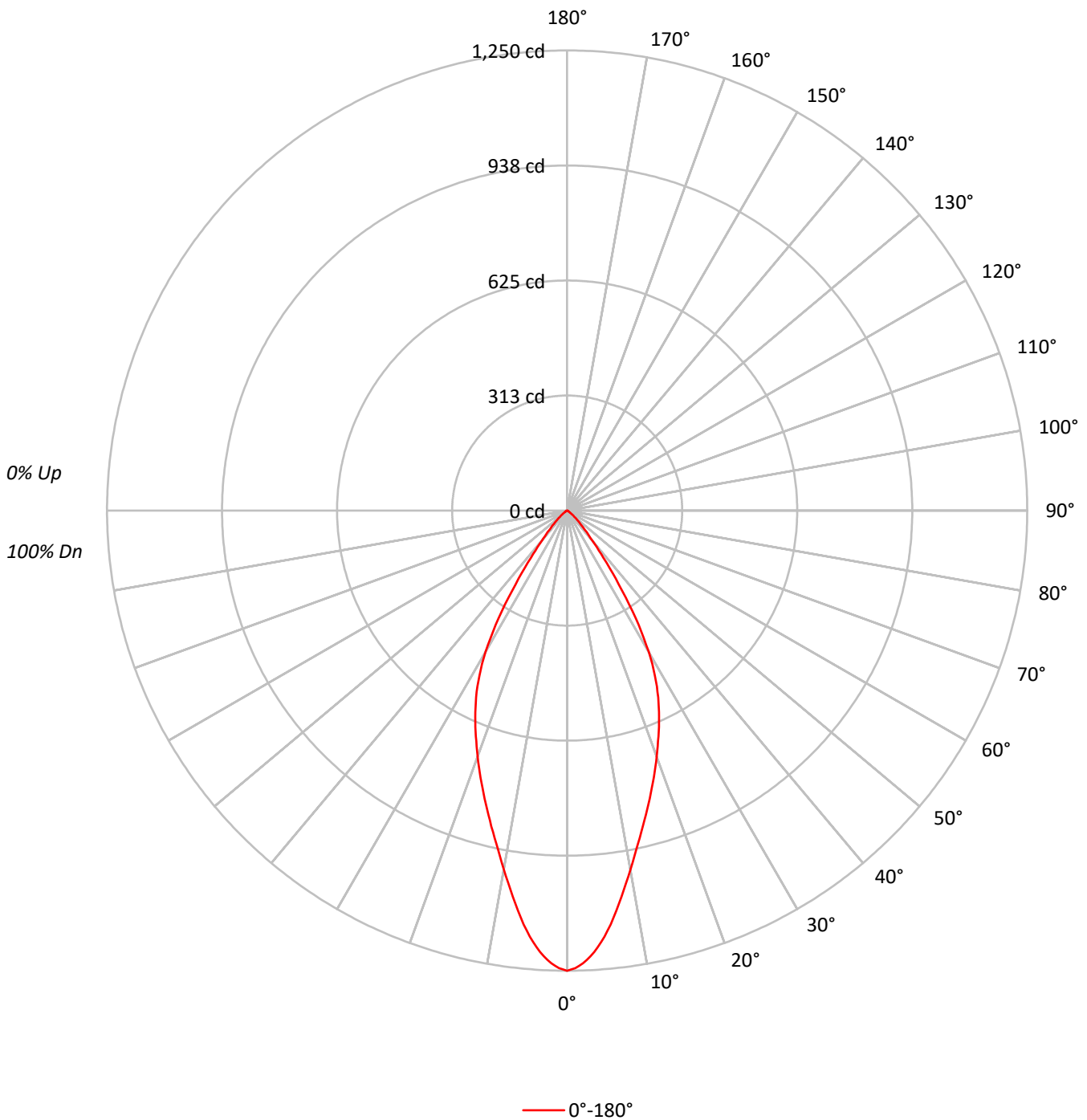
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244362

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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	81	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38552
5°	35959
10°	30996
15°	26826
20°	23335
25°	20054
30°	15760
35°	9193
40°	4243
45°	2194
50°	1103
55°	538
60°	271
65°	161
70°	72
75°	71
80°	36
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	12.8
10°-20°	234.9	28.7
20°-30°	267.1	32.6
30°-40°	156.9	19.2
40°-50°	42.1	5.1
50°-60°	10.0	1.2
60°-70°	2.2	0.3
70°-80°	0.5	0.1
80°-90°	0.0	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°	607.2	74.1
0°-40°	764.1	93.3
0°-60°	816.2	99.7
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1250	
5°	1162	105
15°	840	235
25°	589	267
35°	244	157
45°	50	42
55°	10	10
65°	2	2
75°	1	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1250.2
1°	1243.4
2°	1230.5
3°	1212.6
4°	1189.4
5°	1161.7
6°	1130.4
7°	1095.1
8°	1059.6
9°	1024.0
10°	989.9
11°	956.7
12°	925.5
13°	896.4
14°	867.4
15°	840.3
16°	813.7
17°	787.5
18°	762.1
19°	736.3
20°	711.1
21°	685.9
22°	661.8
23°	638.1
24°	613.8
25°	589.4
26°	564.3
27°	536.8
28°	508.0
29°	476.6
30°	442.6
32.5°	347.2
35°	244.2
37.5°	161.0
40°	105.4
42.5°	72.8
45°	50.3
47.5°	34.5
50°	23.0
52.5°	15.0
55°	10.0
57.5°	6.6
60°	4.4
62.5°	3.0
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	0.8
72.5°	0.6
75°	0.6
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)