

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: P244398

Luminaire Tested: **LSR8B10D010 EC8B10850 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244398
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 EC8B10850 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1123.0 lumens
Efficiency: N/A
Efficacy: 110.1 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

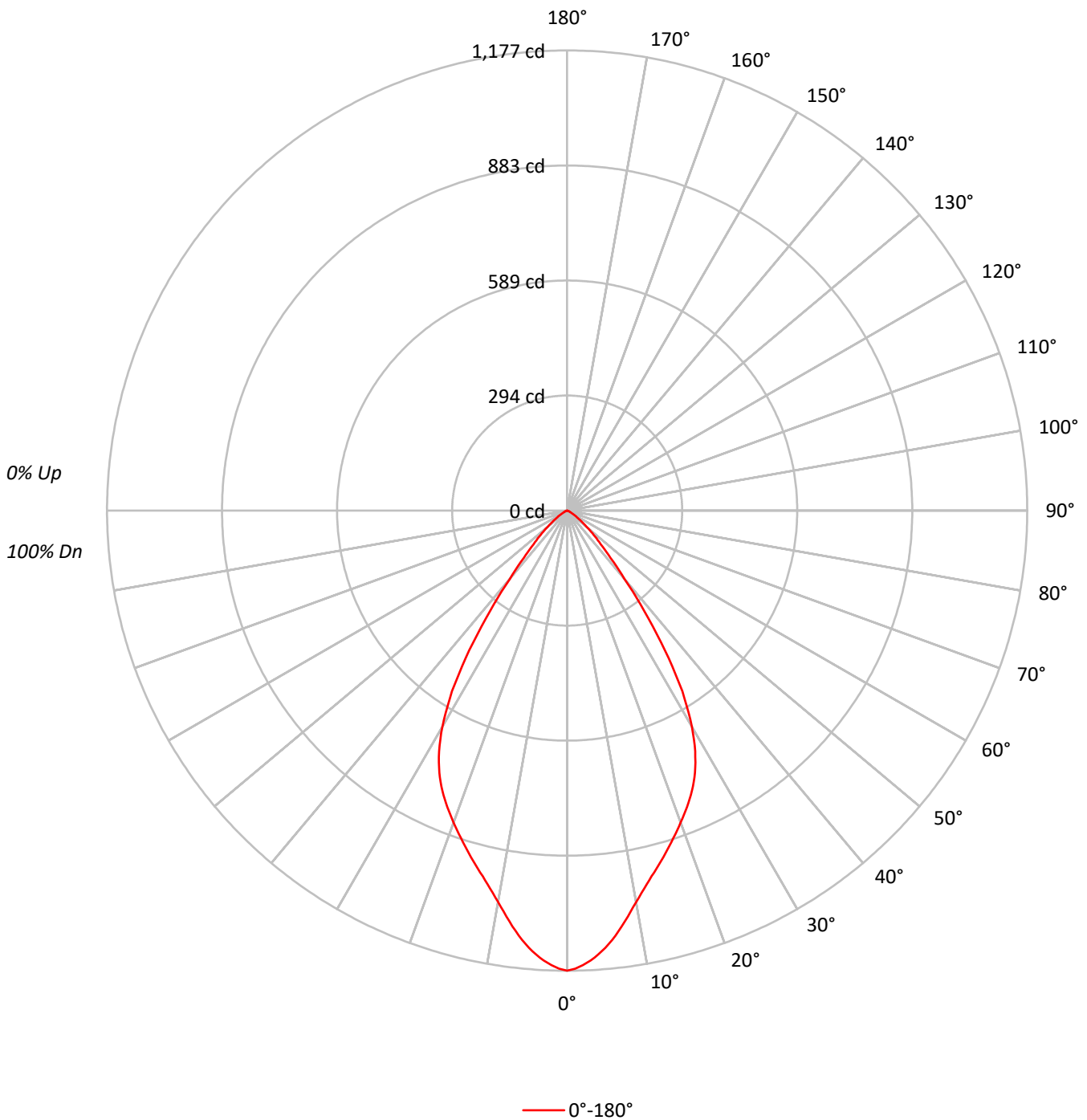
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	36288
5°	34749
10°	31838
15°	29626
20°	27867
25°	26073
30°	22735
35°	16432
40°	9214
45°	5299
50°	3243
55°	1844
60°	962
65°	489
70°	270
75°	155
80°	89
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	9.2
10°-20°	260.9	23.2
20°-30°	348.1	31.0
30°-40°	268.3	23.9
40°-50°	100.0	8.9
50°-60°	32.7	2.9
60°-70°	7.6	0.7
70°-80°	1.5	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°	712.6	63.5
0°-40°	980.9	87.4
0°-60°	1113.7	99.2
0°-90°	1123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1177	
5°	1123	104
15°	928	261
25°	766	348
35°	436	268
45°	122	100
55°	34	33
65°	7	8
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1176.8
1°	1171.7
2°	1163.1
3°	1152.1
4°	1138.7
5°	1122.6
6°	1104.3
7°	1083.4
8°	1061.1
9°	1038.0
10°	1016.8
11°	996.5
12°	977.4
13°	960.0
14°	943.9
15°	928.0
16°	911.9
17°	896.4
18°	880.3
19°	864.5
20°	849.2
21°	833.3
22°	818.0
23°	801.9
24°	785.0
25°	766.3
26°	745.6
27°	722.8
28°	697.6
29°	669.4
30°	638.5
32.5°	548.1
35°	436.5
37.5°	323.3
40°	228.9
42.5°	163.9
45°	121.5
47.5°	91.5
50°	67.6
52.5°	48.3
55°	34.3
57.5°	23.6
60°	15.6
62.5°	10.2
65°	6.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.6
70°	3.0
72.5°	1.9
75°	1.3
77.5°	0.8
80°	0.5
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)