

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: P244428

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244428
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 EC8B10950 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1022.0 lumens
Efficiency: N/A
Efficacy: 100.2 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

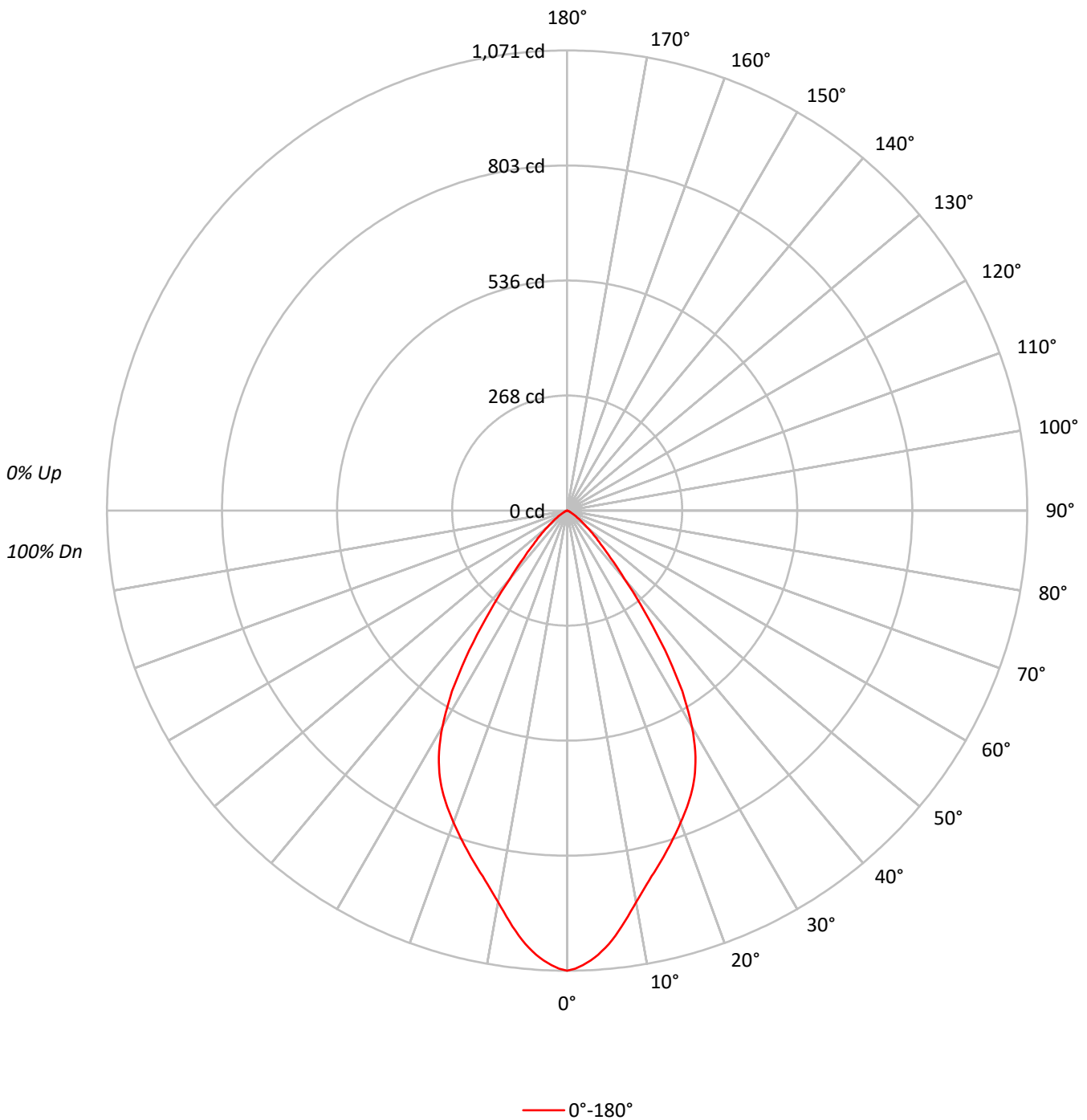
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33023
5°	31623
10°	28976
15°	26963
20°	25360
25°	23725
30°	20691
35°	14956
40°	8385
45°	4823
50°	2950
55°	1683
60°	876
65°	445
70°	243
75°	143
80°	89
85°	71



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	9.2
10°-20°	237.4	23.2
20°-30°	316.8	31.0
30°-40°	244.2	23.9
40°-50°	91.1	8.9
50°-60°	29.8	2.9
60°-70°	6.9	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°	648.5	63.5
0°-40°	892.7	87.3
0°-60°	1013.6	99.2
0°-90°	1022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1022.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1071	
5°	1022	94
15°	845	237
25°	697	317
35°	397	244
45°	111	91
55°	31	30
65°	6	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1070.9
1°	1066.3
2°	1058.5
3°	1048.5
4°	1036.2
5°	1021.6
6°	1005.0
7°	985.9
8°	965.7
9°	944.7
10°	925.4
11°	906.8
12°	889.5
13°	873.6
14°	859.0
15°	844.6
16°	829.9
17°	815.8
18°	801.1
19°	786.7
20°	772.8
21°	758.4
22°	744.5
23°	729.8
24°	714.4
25°	697.3
26°	678.5
27°	657.8
28°	634.8
29°	609.2
30°	581.1
32.5°	498.8
35°	397.3
37.5°	294.2
40°	208.3
42.5°	149.2
45°	110.6
47.5°	83.3
50°	61.5
52.5°	44.0
55°	31.3
57.5°	21.5
60°	14.2
62.5°	9.3
65°	6.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	2.7
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)