

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: P249934

Luminaire Tested: **LSR8B120D010 EC8B120950 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249934
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: LSR8B120D010 EC8B120950 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: 11054.9 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

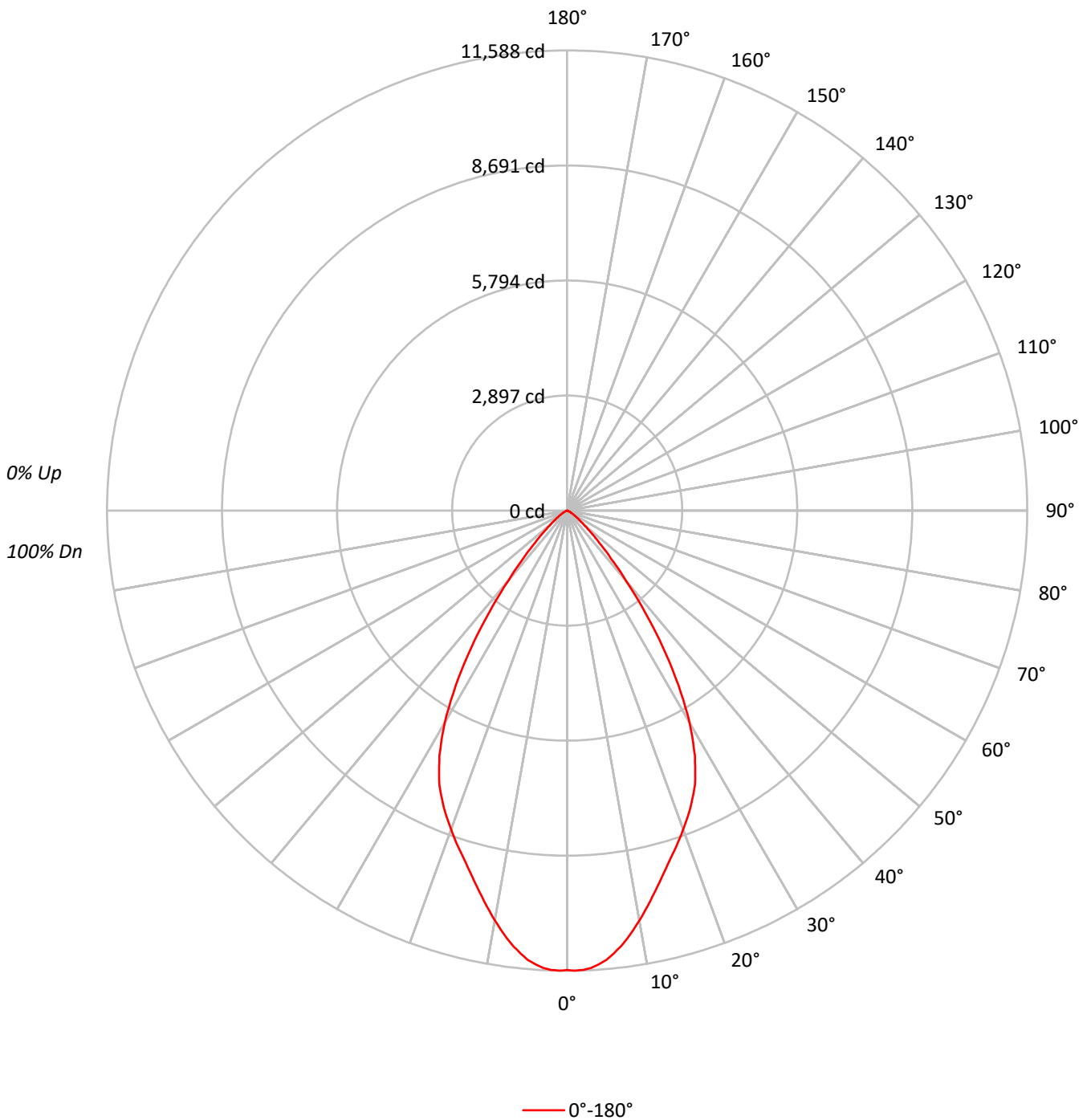
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	356807
5°	351555
10°	328090
15°	301153
20°	280482
25°	259138
30°	219754
35°	158087
40°	93128
45°	49767
50°	25968
55°	14645
60°	8079
65°	4779
70°	2173
75°	1227
80°	604
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1054.9	9.5
10°-20°	2654.1	24.0
20°-30°	3445.6	31.2
30°-40°	2600.7	23.5
40°-50°	951.6	8.6
50°-60°	266.0	2.4
60°-70°	69.9	0.6
70°-80°	11.7	0.1
80°-90°	0.5	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°	7154.6	64.7
0°-40°	9755.2	88.2
0°-60°	10972.8	99.3
0°-90°	11054.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11054.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11571	
5°	11357	###
15°	9433	2654
25°	7616	3446
35°	4200	2601
45°	1141	952
55°	272	266
65°	66	70
75°	10	12
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11571.0
1°	11588.3
2°	11574.5
3°	11529.7
4°	11453.8
5°	11357.3
6°	11215.9
7°	11060.8
8°	10881.5
9°	10684.9
10°	10478.1
11°	10271.2
12°	10057.4
13°	9840.2
14°	9633.3
15°	9433.4
16°	9243.7
17°	9061.0
18°	8895.5
19°	8723.1
20°	8547.3
22.5°	8109.4
25°	7616.3
27.5°	6964.7
30°	6171.7
32.5°	5216.6
35°	4199.5
37.5°	3206.5
40°	2313.5
42.5°	1637.7
45°	1141.2
47.5°	803.4
50°	541.3
52.5°	396.5
55°	272.4
57.5°	196.5
60°	131.0
62.5°	96.5
65°	65.5
67.5°	44.8
70°	24.1
72.5°	17.2
75°	10.3
77.5°	3.4
80°	3.4



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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)