

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: P249941

Luminaire Tested: **LSR8B120D010 EC8B120927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249941
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 EC8B120927 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG 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: 9390.4 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

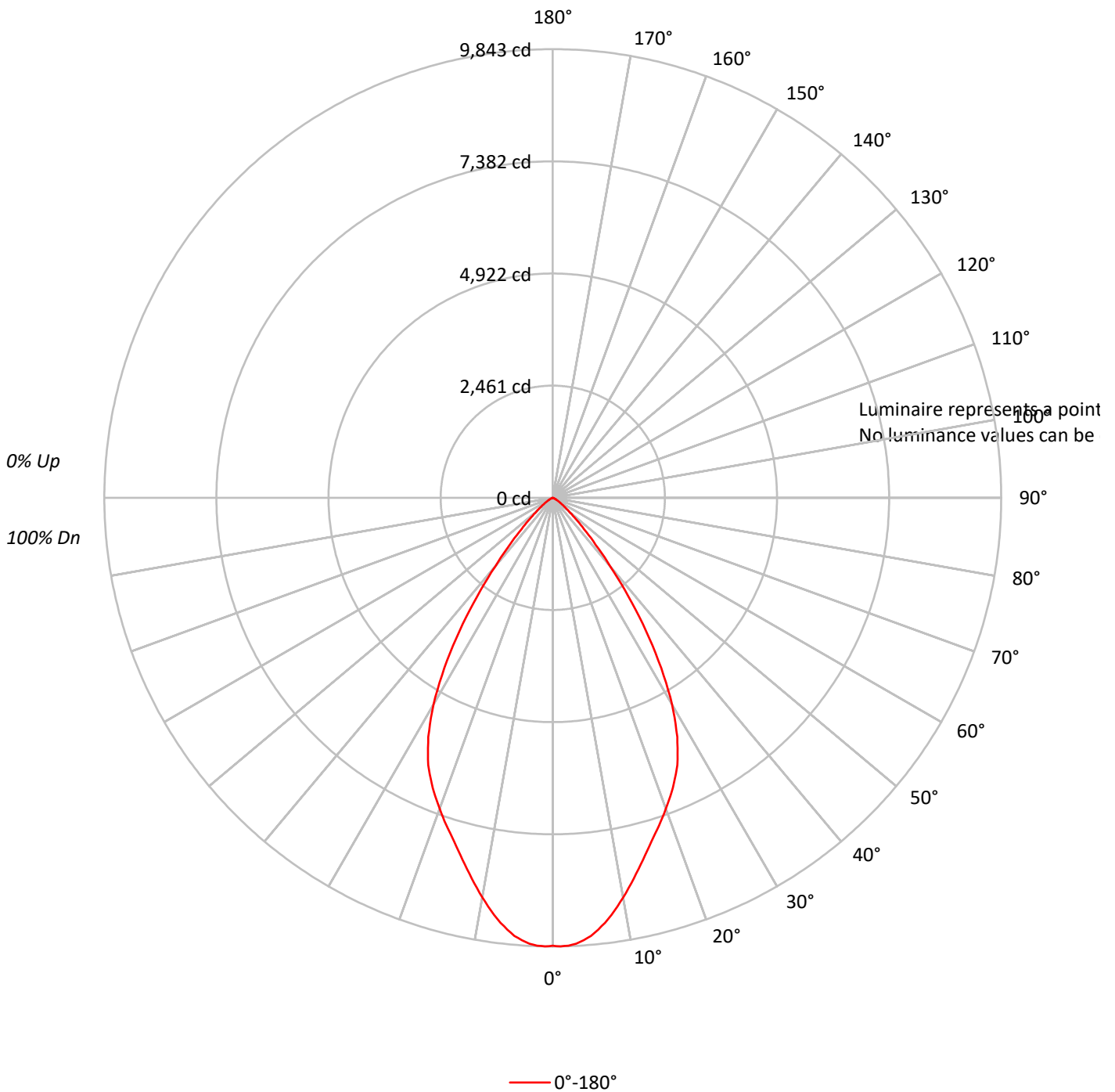
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





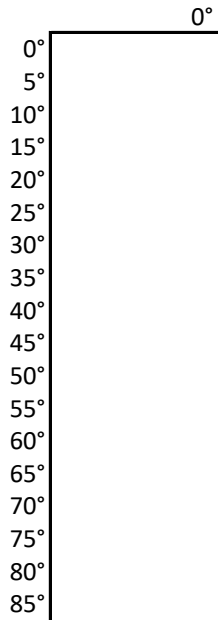
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100		
1	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93	93	93	93	93		
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86	86	86	86	86		
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79	79	79	79	79		
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73	73	73	73	73		
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68	68	68	68	68		
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63	63		
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58	58	58	58	58		
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54	54	54	54	54		
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51	51	51	51	51		
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48	48	48	48	48		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.0	9.5
10°-20°	2254.5	24.0
20°-30°	2926.8	31.2
30°-40°	2209.1	23.5
40°-50°	808.3	8.6
50°-60°	226.0	2.4
60°-70°	59.4	0.6
70°-80°	10.0	0.1
80°-90°	0.4	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°	6077.3	64.7
0°-40°	8286.3	88.2
0°-60°	9320.7	99.3
0°-90°	9390.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9390.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9829	
5°	9647	896
15°	8013	2254
25°	6470	2927
35°	3567	2209
45°	969	808
55°	231	226
65°	56	59
75°	9	10
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9828.7
1°	9843.3
2°	9831.6
3°	9793.6
4°	9729.1
5°	9647.1
6°	9527.1
7°	9395.2
8°	9243.0
9°	9076.1
10°	8900.3
11°	8724.6
12°	8543.0
13°	8358.5
14°	8182.8
15°	8012.9
16°	7851.8
17°	7696.6
18°	7556.1
19°	7409.6
20°	7260.2
22.5°	6888.3
25°	6469.5
27.5°	5915.9
30°	5242.4
32.5°	4431.2
35°	3567.2
37.5°	2723.7
40°	1965.2
42.5°	1391.2
45°	969.4
47.5°	682.4
50°	459.8
52.5°	336.8
55°	231.4
57.5°	167.0
60°	111.3
62.5°	82.0
65°	55.7
67.5°	38.0
70°	20.5
72.5°	14.6
75°	8.8
77.5°	2.9
80°	2.9



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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)