

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: P249927

Luminaire Tested: **LSR8B120D010 EC8B120940 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249927
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 EC8B120940 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10678.0 lumens
Efficiency: N/A
Efficacy: 90.3 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

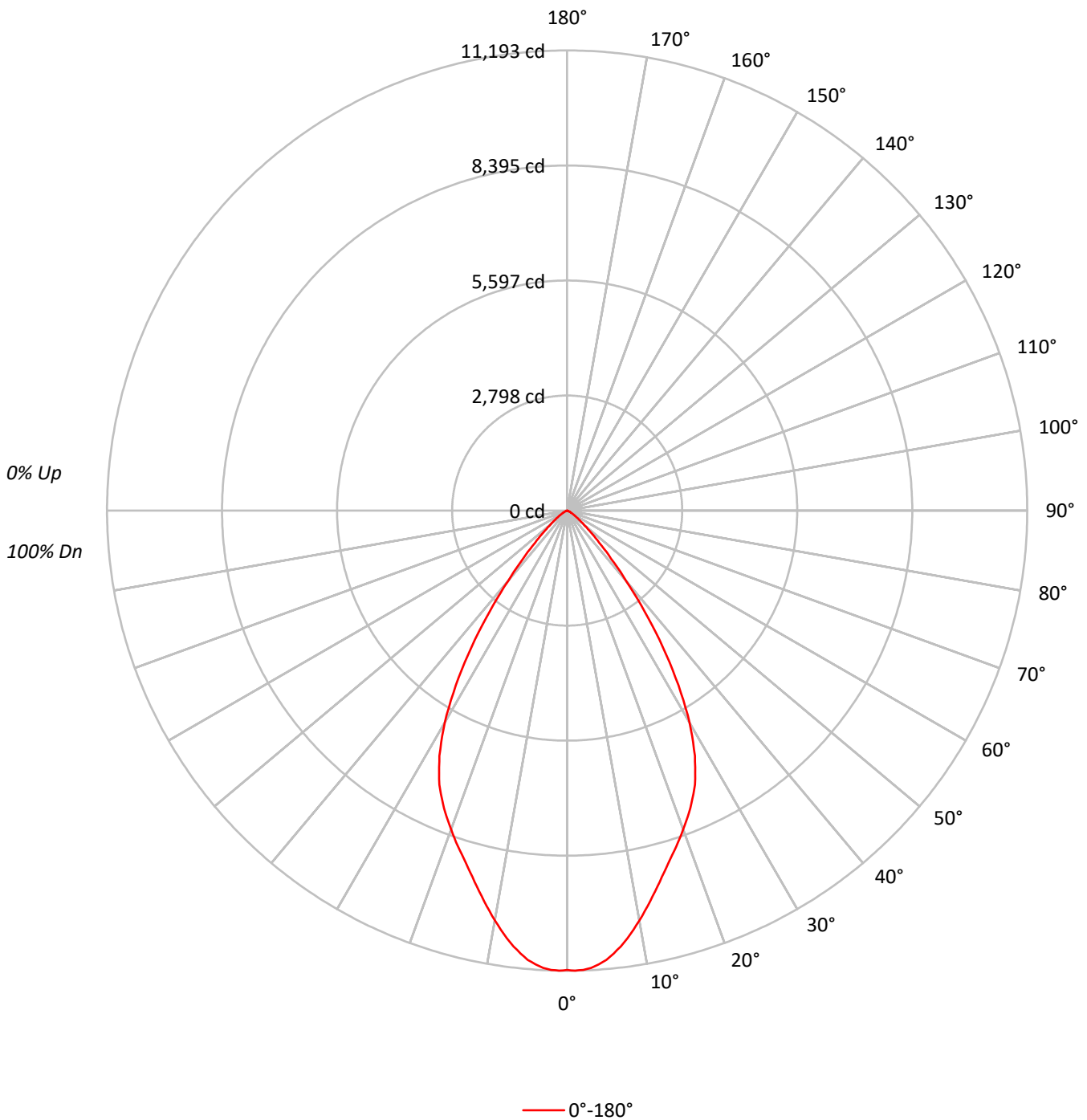
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	344639
5°	339567
10°	316900
15°	290883
20°	270917
25°	250302
30°	212259
35°	152696
40°	89951
45°	48070
50°	25085
55°	14145
60°	7808
65°	4619
70°	2101
75°	1191
80°	586
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1018.9	9.5
10°-20°	2563.6	24.0
20°-30°	3328.1	31.2
30°-40°	2512.0	23.5
40°-50°	919.2	8.6
50°-60°	256.9	2.4
60°-70°	67.5	0.6
70°-80°	11.4	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°	6910.6	64.7
0°-40°	9422.6	88.2
0°-60°	10598.7	99.3
0°-90°	10678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10678.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11176	
5°	10970	###
15°	9112	2564
25°	7357	3328
35°	4056	2512
45°	1102	919
55°	263	257
65°	63	68
75°	10	11
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11176.4
1°	11193.1
2°	11179.8
3°	11136.5
4°	11063.2
5°	10970.0
6°	10833.4
7°	10683.6
8°	10510.4
9°	10320.6
10°	10120.7
11°	9920.9
12°	9714.4
13°	9504.6
14°	9304.8
15°	9111.7
16°	8928.5
17°	8752.0
18°	8592.1
19°	8425.6
20°	8255.8
22.5°	7832.8
25°	7356.6
27.5°	6727.2
30°	5961.2
32.5°	5038.7
35°	4056.3
37.5°	3097.2
40°	2234.6
42.5°	1581.9
45°	1102.3
47.5°	776.0
50°	522.9
52.5°	383.0
55°	263.1
57.5°	189.8
60°	126.6
62.5°	93.2
65°	63.3
67.5°	43.3
70°	23.3
72.5°	16.7
75°	10.0
77.5°	3.3
80°	3.3



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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)