

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: P246965

Luminaire Tested: **LSR8B120D010 EC8B120840 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120840 8LBMOLI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12589.1 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

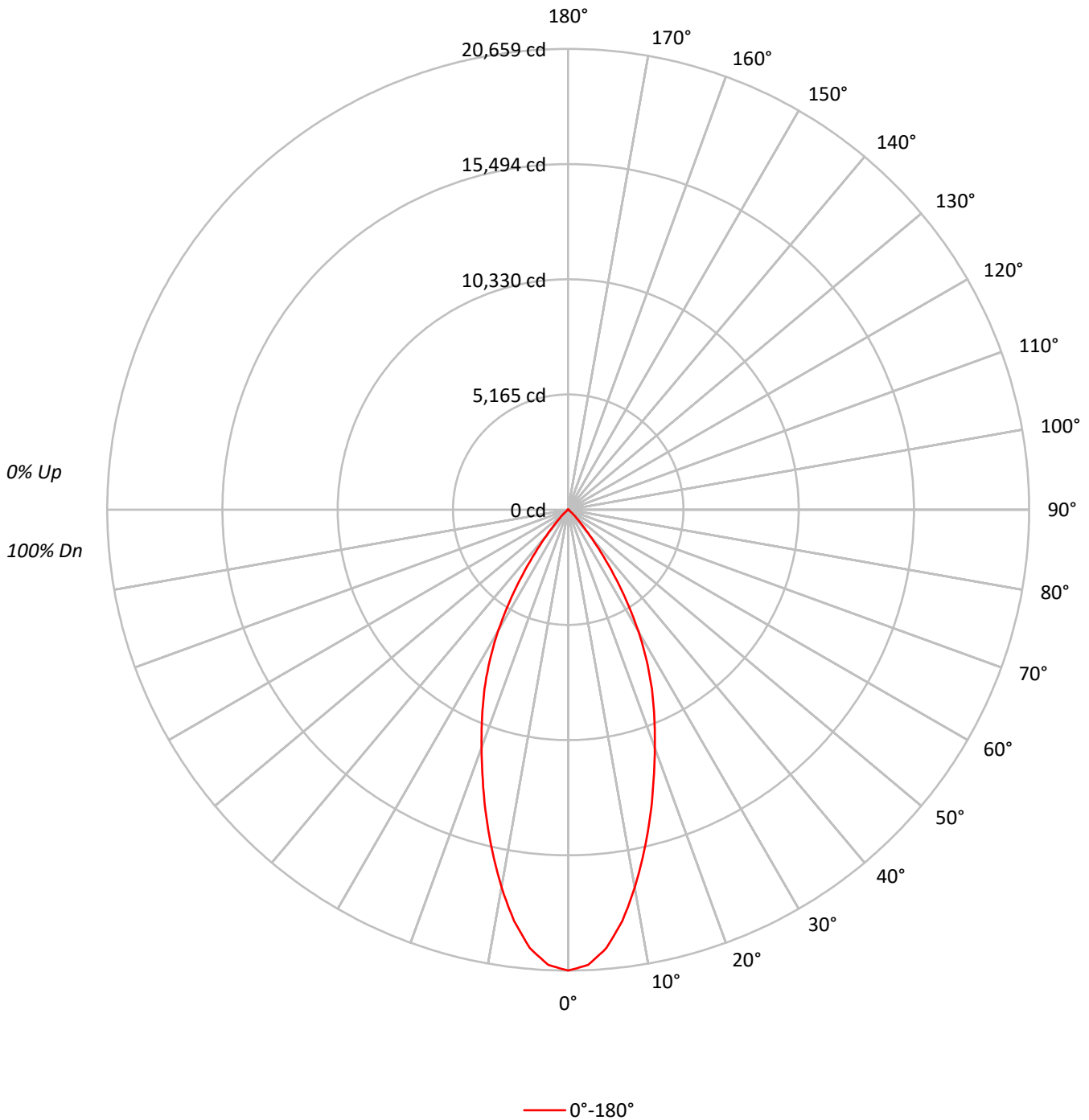
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	637047
5°	610486
10°	538313
15°	453664
20°	372487
25°	301906
30°	223503
35°	134537
40°	59914
45°	23296
50°	8357
55°	2441
60°	1714
65°	1284
70°	135
75°	703
80°	0
85°	2087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1800.5	14.3
10°-20°	3947.1	31.4
20°-30°	4025.4	32.0
30°-40°	2254.5	17.9
40°-50°	480.8	3.8
50°-60°	59.6	0.5
60°-70°	15.6	0.1
70°-80°	3.7	0.0
80°-90°	2.0	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°	9773.0	77.6
0°-40°	12027.5	95.5
0°-60°	12567.8	99.8
0°-90°	12589.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12589.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20659	
5°	19722	###
15°	14211	3947
25°	8873	4025
35°	3574	2254
45°	534	481
55°	45	60
65°	18	16
75°	6	4
85°	6	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20659.0
2.5°	20426.3
5°	19722.3
7.5°	18589.5
10°	17191.9
12.5°	15691.8
15°	14210.7
17.5°	12720.9
20°	11351.0
22.5°	10076.3
25°	8873.3
27.5°	7610.3
30°	6277.0
32.5°	4883.7
35°	3573.9
37.5°	2394.3
40°	1488.4
42.5°	889.8
45°	534.2
47.5°	297.1
50°	174.2
52.5°	92.2
55°	45.4
57.5°	32.2
60°	27.8
62.5°	13.2
65°	17.6
67.5°	17.6
70°	1.5
72.5°	4.4
75°	5.9
77.5°	2.9
80°	0.0
82.5°	1.5
85°	5.9
87.5°	0.0
90°	0.0

(END OF REPORT)