

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: P246969

Luminaire Tested: **LSR8B120D010 EC8B120850 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246969
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 EC8B120850 8LBMOLI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12836.1 lumens
Efficiency: N/A
Efficacy: 108.5 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

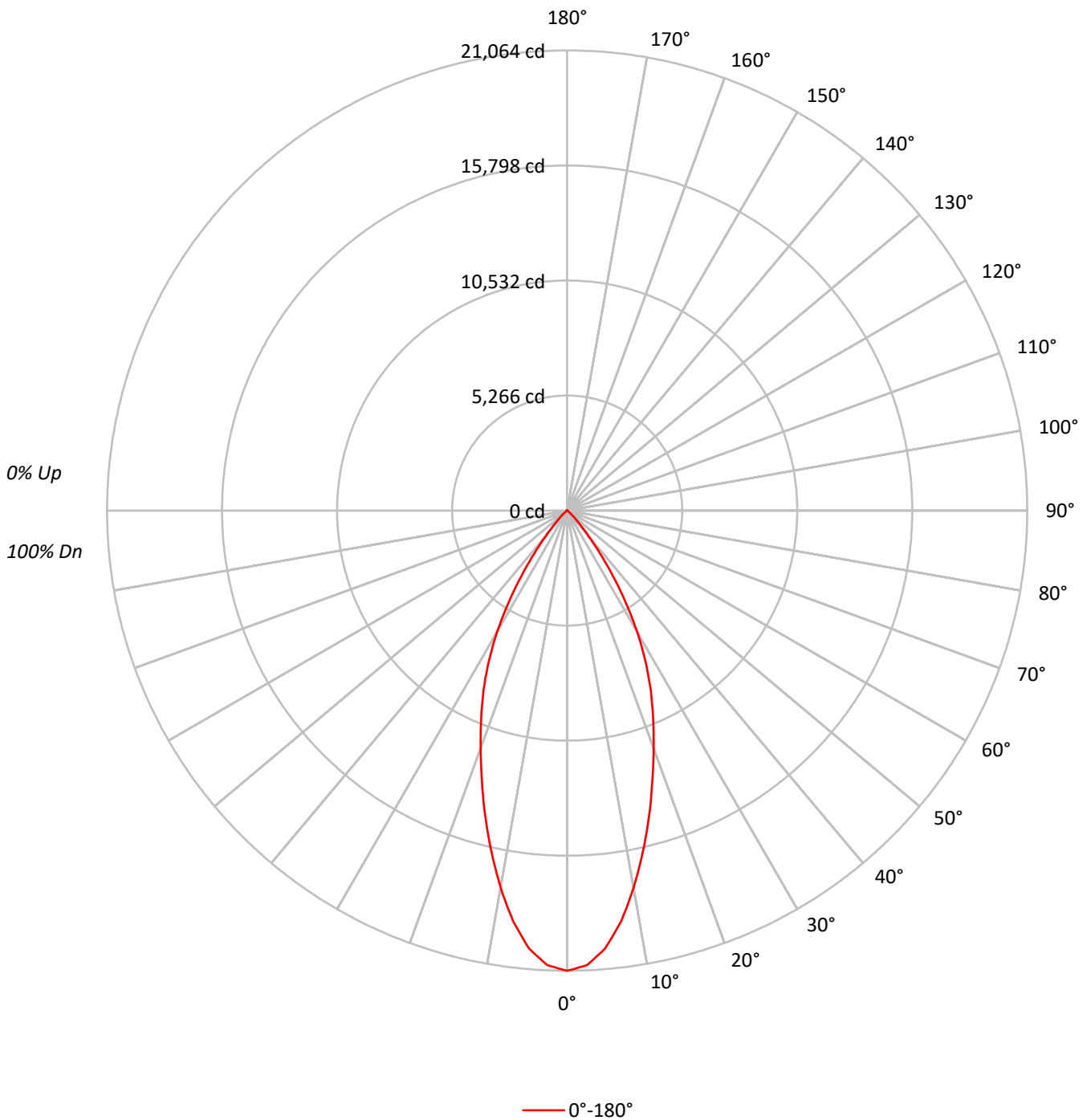
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	649545
5°	622465
10°	548875
15°	462564
20°	379795
25°	307830
30°	227890
35°	137175
40°	61089
45°	23754
50°	8520
55°	2489
60°	1752
65°	1306
70°	135
75°	715
80°	0
85°	2123



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1835.9	14.3
10°-20°	4024.5	31.4
20°-30°	4104.4	32.0
30°-40°	2298.7	17.9
40°-50°	490.2	3.8
50°-60°	60.7	0.5
60°-70°	15.8	0.1
70°-80°	3.8	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°	9964.7	77.6
0°-40°	12263.5	95.5
0°-60°	12814.4	99.8
0°-90°	12836.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12836.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21064	
5°	20109	###
15°	14490	4024
25°	9047	4104
35°	3644	2299
45°	545	490
55°	46	61
65°	18	16
75°	6	4
85°	6	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21064.3
2.5°	20827.0
5°	20109.3
7.5°	18954.3
10°	17529.2
12.5°	15999.7
15°	14489.5
17.5°	12970.4
20°	11573.7
22.5°	10274.0
25°	9047.4
27.5°	7759.6
30°	6400.2
32.5°	4979.6
35°	3644.0
37.5°	2441.3
40°	1517.6
42.5°	907.3
45°	544.7
47.5°	302.9
50°	177.6
52.5°	94.0
55°	46.3
57.5°	32.8
60°	28.4
62.5°	13.4
65°	17.9
67.5°	17.9
70°	1.5
72.5°	4.5
75°	6.0
77.5°	3.0
80°	0.0
82.5°	1.5
85°	6.0
87.5°	0.0
90°	0.0

(END OF REPORT)