

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: P246961

Luminaire Tested: **LSR8B120D010 EC8B120835 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246961
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 EC8B120835 8LBMOLI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12672.0 lumens
Efficiency: N/A
Efficacy: 107.1 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

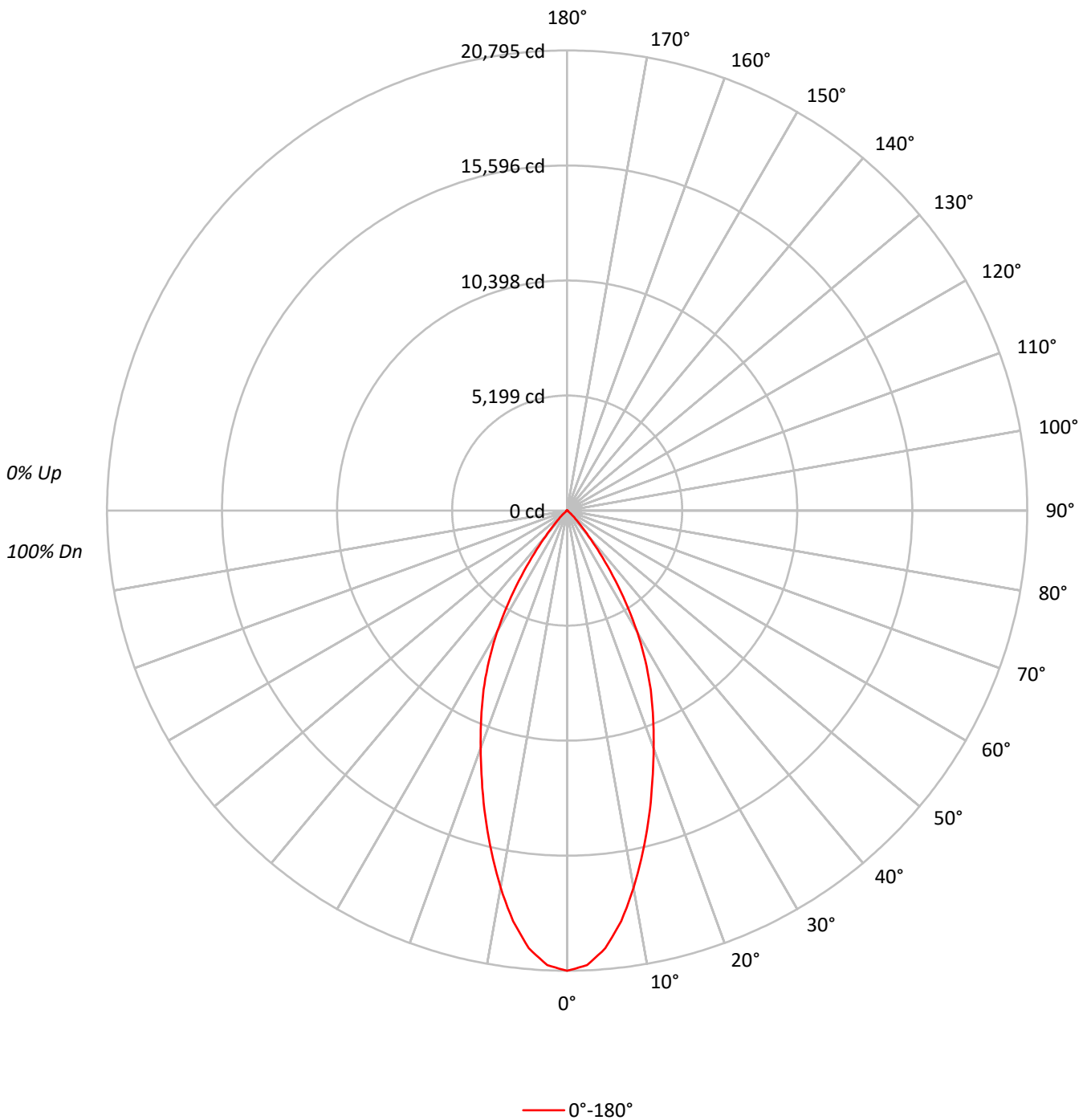
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	641247
5°	614510
10°	541861
15°	456655
20°	374941
25°	303897
30°	224977
35°	135425
40°	60308
45°	23449
50°	8410
55°	2457
60°	1727
65°	1291
70°	135
75°	703
80°	0
85°	2087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1812.4	14.3
10°-20°	3973.1	31.4
20°-30°	4051.9	32.0
30°-40°	2269.3	17.9
40°-50°	484.0	3.8
50°-60°	59.9	0.5
60°-70°	15.7	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°	9837.4	77.6
0°-40°	12106.8	95.5
0°-60°	12650.7	99.8
0°-90°	12672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12672.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20795	
5°	19852	###
15°	14304	3973
25°	8932	4052
35°	3598	2269
45°	538	484
55°	46	60
65°	18	16
75°	6	4
85°	6	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20795.2
2.5°	20560.9
5°	19852.3
7.5°	18712.1
10°	17305.2
12.5°	15795.2
15°	14304.4
17.5°	12804.7
20°	11425.8
22.5°	10142.7
25°	8931.8
27.5°	7660.4
30°	6318.4
32.5°	4915.9
35°	3597.5
37.5°	2410.1
40°	1498.2
42.5°	895.7
45°	537.7
47.5°	299.1
50°	175.3
52.5°	92.8
55°	45.7
57.5°	32.4
60°	28.0
62.5°	13.3
65°	17.7
67.5°	17.7
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)