

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: P247305

Luminaire Tested: **LSR8B120D010 EC8B120850 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120850 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11878.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

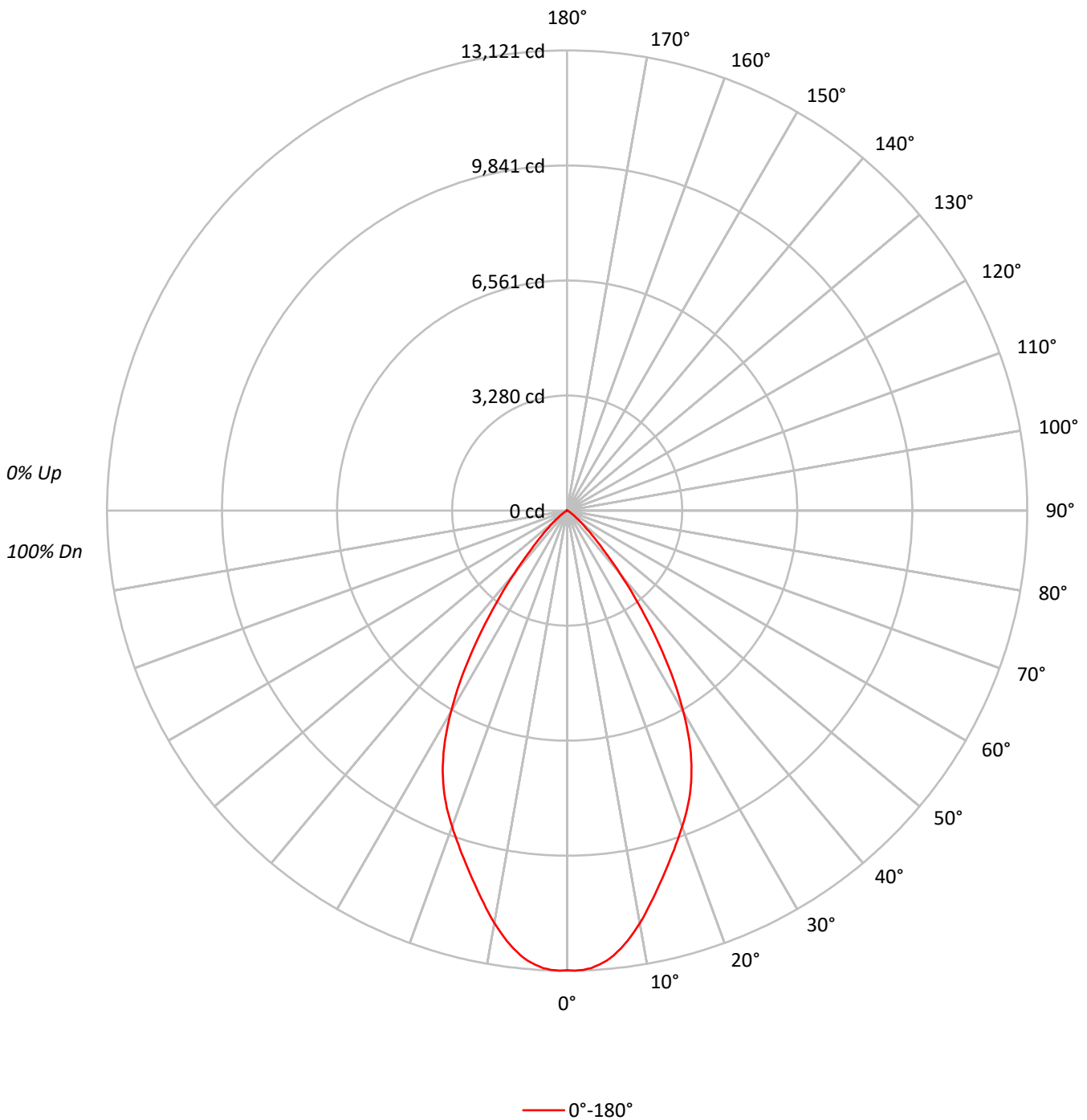
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	404039
5°	398831
10°	373909
15°	341917
20°	314768
25°	285217
30°	236165
35°	165623
40°	94251
45°	46256
50°	22816
55°	10349
60°	4909
65°	2656
70°	270
75°	357
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1199.0	10.1
10°-20°	3006.5	25.3
20°-30°	3795.3	32.0
30°-40°	2730.2	23.0
40°-50°	903.7	7.6
50°-60°	196.8	1.7
60°-70°	40.5	0.3
70°-80°	3.9	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°	8000.9	67.4
0°-40°	10731.1	90.3
0°-60°	11831.5	99.6
0°-90°	11878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11878.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13103	
5°	12885	###
15°	10710	3007
25°	8383	3795
35°	4400	2730
45°	1061	904
55°	192	197
65°	36	40
75°	3	4
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13102.7
1°	13121.0
2°	13105.7
3°	13062.5
4°	12982.2
5°	12884.6
6°	12750.6
7°	12576.1
8°	12383.5
9°	12172.9
10°	11941.4
11°	11704.9
12°	11447.4
13°	11199.3
14°	10949.7
15°	10710.3
16°	10474.5
17°	10248.6
18°	10024.5
19°	9809.1
20°	9592.1
21°	9369.9
22°	9153.0
23°	8916.9
24°	8662.4
25°	8382.8
26°	8089.3
27°	7762.4
28°	7416.7
29°	7032.7
30°	6632.6
31°	6211.8
32°	5768.9
33°	5304.3
34°	4849.7
35°	4399.7
37.5°	3304.1
40°	2341.4
42.5°	1586.2
45°	1060.7
47.5°	711.6
50°	475.6
52.5°	287.1
55°	192.5
57.5°	134.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	79.6
62.5°	54.4
65°	36.4
67.5°	32.7
70°	3.0
72.5°	7.5
75°	3.0
77.5°	3.0
80°	0.0
82.5°	7.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)