

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: P247293

Luminaire Tested: **LSR8B120D010 EC8B120830 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247293  
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 EC8B120830 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11277.0 lumens  
Efficiency: N/A  
Efficacy: 95.3 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

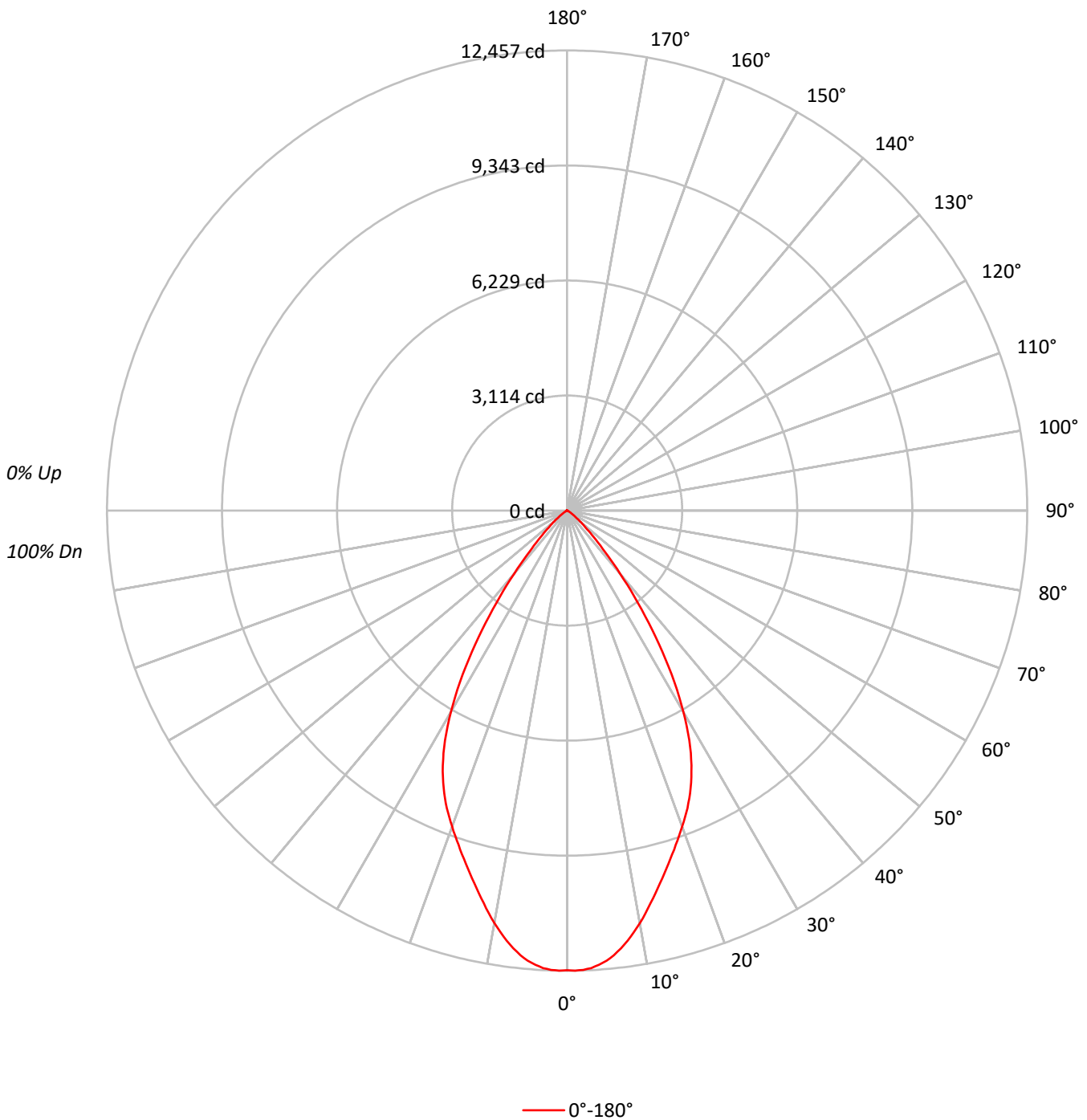
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	383594
5°	378652
10°	354991
15°	324614
20°	298843
25°	270784
30°	224215
35°	157244
40°	89481
45°	43914
50°	21660
55°	9828
60°	4656
65°	2525
70°	261
75°	346
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1138.4	10.1
10°-20°	2854.4	25.3
20°-30°	3603.3	32.0
30°-40°	2592.0	23.0
40°-50°	857.9	7.6
50°-60°	186.8	1.7
60°-70°	38.5	0.3
70°-80°	3.8	0.0
80°-90°	1.9	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°	7596.1	67.4
0°-40°	10188.1	90.3
0°-60°	11232.8	99.6
0°-90°	11277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11277.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12440	
5°	12233	###
15°	10168	2854
25°	7959	3603
35°	4177	2592
45°	1007	858
55°	183	187
65°	35	38
75°	3	4
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12439.7
1°	12457.1
2°	12442.5
3°	12401.6
4°	12325.3
5°	12232.7
6°	12105.4
7°	11939.7
8°	11756.9
9°	11557.0
10°	11337.2
11°	11112.7
12°	10868.2
13°	10632.7
14°	10395.7
15°	10168.3
16°	9944.6
17°	9730.0
18°	9517.3
19°	9312.8
20°	9106.8
21°	8895.8
22°	8689.9
23°	8465.7
24°	8224.1
25°	7958.6
26°	7680.0
27°	7369.6
28°	7041.4
29°	6676.9
30°	6297.0
31°	5897.5
32°	5477.0
33°	5035.9
34°	4604.3
35°	4177.1
37.5°	3136.9
40°	2222.9
42.5°	1505.9
45°	1007.0
47.5°	675.6
50°	451.5
52.5°	272.6
55°	182.8
57.5°	127.2



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	75.5
62.5°	51.7
65°	34.6
67.5°	31.0
70°	2.9
72.5°	7.1
75°	2.9
77.5°	2.9
80°	0.0
82.5°	7.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)