

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: P249920

Luminaire Tested: **LSR8B120D010 EC8B120935 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249920  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B120D010 EC8B120935 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10223.0 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

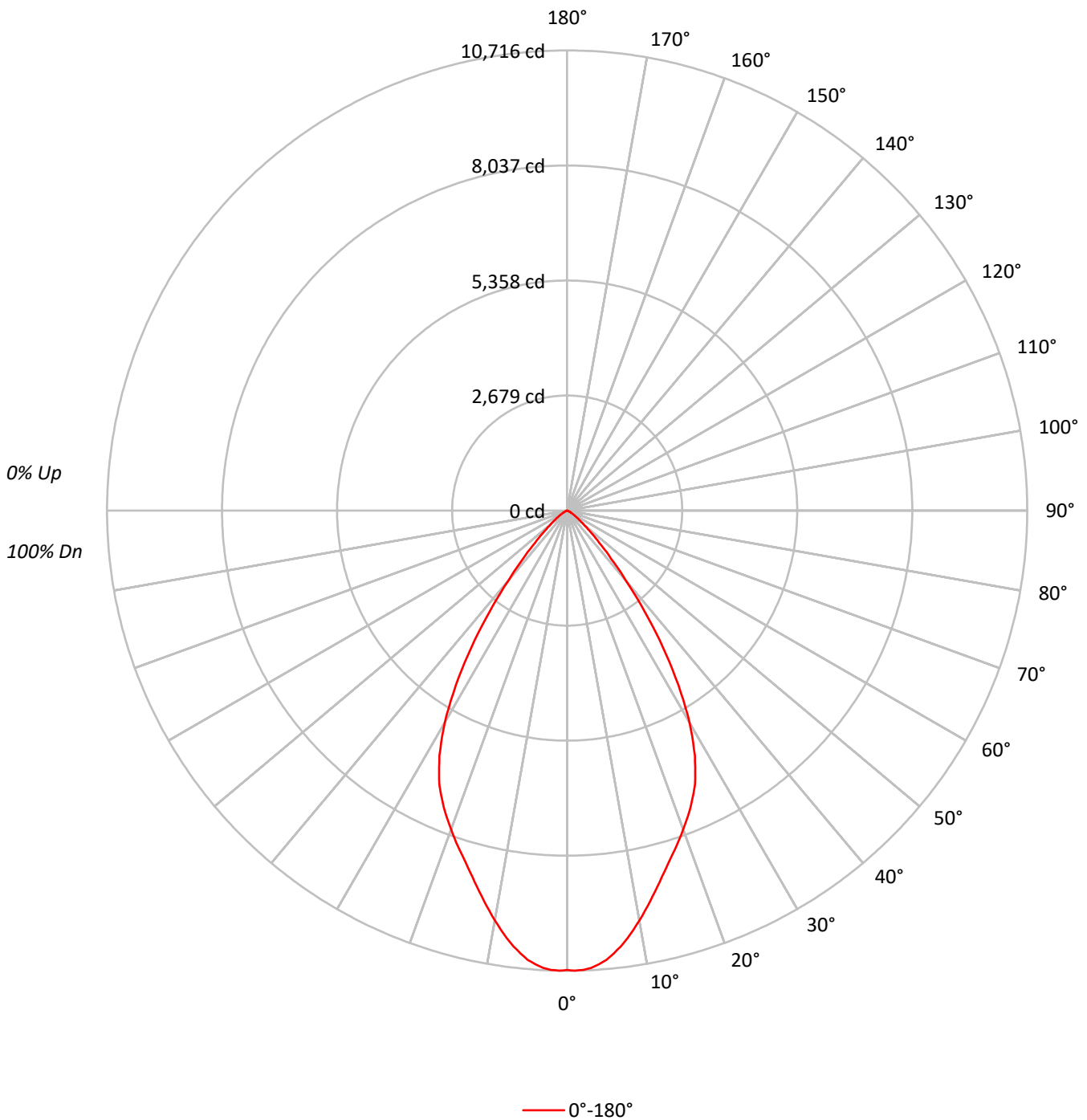
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	329955
5°	325095
10°	303398
15°	278487
20°	259372
25°	239635
30°	203215
35°	146187
40°	86119
45°	46025
50°	24015
55°	13543
60°	7475
65°	4422
70°	2011
75°	1144
80°	568
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	975.5	9.5
10°-20°	2454.4	24.0
20°-30°	3186.3	31.2
30°-40°	2404.9	23.5
40°-50°	880.0	8.6
50°-60°	246.0	2.4
60°-70°	64.7	0.6
70°-80°	10.9	0.1
80°-90°	0.4	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°	6616.1	64.7
0°-40°	9021.0	88.2
0°-60°	10147.0	99.3
0°-90°	10223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10223.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10700	
5°	10502	975
15°	8723	2454
25°	7043	3186
35°	3883	2405
45°	1055	880
55°	252	246
65°	61	65
75°	10	11
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10700.2
1°	10716.1
2°	10703.4
3°	10661.9
4°	10591.8
5°	10502.5
6°	10371.8
7°	10228.3
8°	10062.5
9°	9880.8
10°	9689.5
11°	9498.2
12°	9300.5
13°	9099.6
14°	8908.3
15°	8723.4
16°	8548.0
17°	8379.1
18°	8226.0
19°	8066.6
20°	7904.0
22.5°	7499.1
25°	7043.1
27.5°	6440.5
30°	5707.2
32.5°	4824.0
35°	3883.4
37.5°	2965.2
40°	2139.4
42.5°	1514.5
45°	1055.4
47.5°	742.9
50°	500.6
52.5°	366.7
55°	251.9
57.5°	181.7
60°	121.2
62.5°	89.3
65°	60.6
67.5°	41.4
70°	22.3
72.5°	15.9
75°	9.6
77.5°	3.2
80°	3.2



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)