

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: P243858

Luminaire Tested: **LSR8B10D010 EC8B10927 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P243858  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10927 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

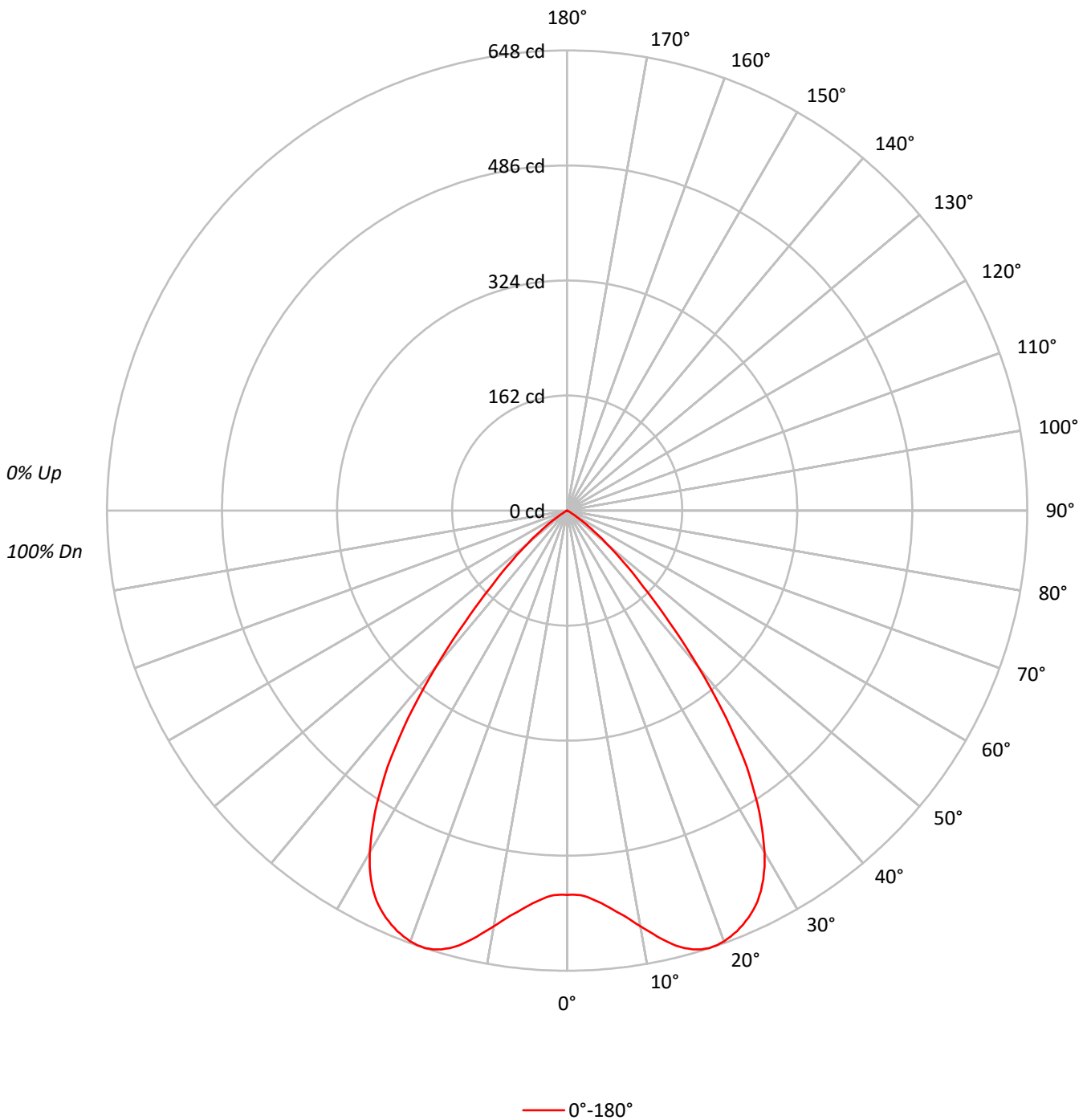
Lumens per Lamp: N/A  
Luminaire Lumens: 940.5 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

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

	0°
0°	16686
5°	17183
10°	18612
15°	20364
20°	21186
25°	21109
30°	19801
35°	16601
40°	11561
45°	6620
50°	3555
55°	1462
60°	370
65°	88
70°	54
75°	24
80°	36
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	5.8
10°-20°	179.8	19.1
20°-30°	282.9	30.1
30°-40°	269.1	28.6
40°-50°	124.1	13.2
50°-60°	28.2	3.0
60°-70°	1.9	0.2
70°-80°	0.4	0.0
80°-90°	0.0	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°	516.9	55.0
0°-40°	786.0	83.6
0°-60°	938.2	99.8
0°-90°	940.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	541	
5°	555	54
15°	638	180
25°	620	283
35°	441	269
45°	152	124
55°	27	28
65°	1	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	541.1
1°	540.9
2°	541.9
3°	544.9
4°	549.7
5°	555.1
6°	561.7
7°	568.9
8°	576.3
9°	585.1
10°	594.4
11°	603.7
12°	613.5
13°	622.7
14°	631.2
15°	637.9
16°	642.8
17°	646.1
18°	647.7
19°	647.4
20°	645.6
21°	642.5
22°	638.7
23°	633.5
24°	627.6
25°	620.4
26°	611.9
27°	601.1
28°	588.3
29°	573.3
30°	556.1
32.5°	504.3
35°	441.0
37.5°	367.4
40°	287.2
42.5°	212.3
45°	151.8
47.5°	107.6
50°	74.1
52.5°	47.4
55°	27.2
57.5°	13.6
60°	6.0
62.5°	2.4
65°	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
70°	0.6
72.5°	0.6
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)