

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: P244272

Luminaire Tested: **LSR8B10D010 EC8B10935 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244272  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10935 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE 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: 966.0 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

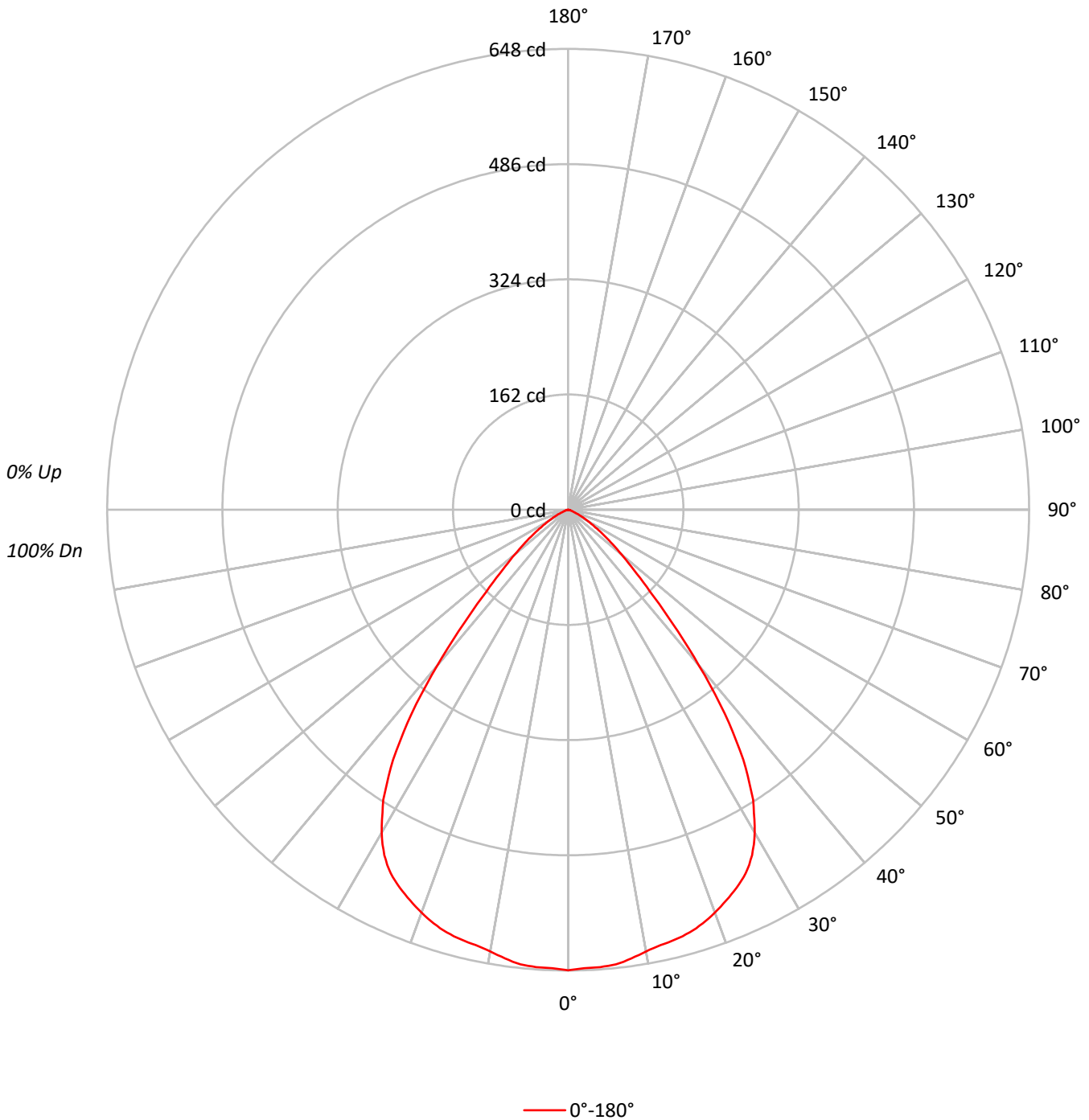
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	19973
5°	19928
10°	19748
15°	19822
20°	19781
25°	19588
30°	18669
35°	16164
40°	11533
45°	7086
50°	4673
55°	3091
60°	1980
65°	1080
70°	532
75°	262
80°	142
85°	106



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.0	6.3
10°-20°	175.1	18.1
20°-30°	263.6	27.3
30°-40°	260.9	27.0
40°-50°	132.6	13.7
50°-60°	53.4	5.5
60°-70°	16.2	1.7
70°-80°	2.8	0.3
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°	499.7	51.7
0°-40°	760.7	78.7
0°-60°	946.7	98.0
0°-90°	966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	648	
5°	644	61
15°	621	175
25°	576	264
35°	429	261
45°	162	133
55°	58	53
65°	15	16
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	647.7
1°	646.3
2°	645.2
3°	644.9
4°	644.7
5°	643.8
6°	642.7
7°	640.5
8°	637.1
9°	634.1
10°	630.7
11°	627.9
12°	626.0
13°	624.6
14°	622.9
15°	620.9
16°	618.4
17°	615.4
18°	611.7
19°	607.5
20°	602.8
21°	597.8
22°	592.7
23°	587.4
24°	581.9
25°	575.7
26°	569.0
27°	560.4
28°	550.3
29°	538.3
30°	524.3
32.5°	483.6
35°	429.4
37.5°	361.8
40°	286.5
42.5°	216.4
45°	162.5
47.5°	124.2
50°	97.4
52.5°	75.7
55°	57.5
57.5°	42.7
60°	32.1
62.5°	22.9
65°	14.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	9.2
70°	5.9
72.5°	3.6
75°	2.2
77.5°	1.4
80°	0.8
82.5°	0.6
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)