

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: P246516

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBS0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246516  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-17)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10950 8LBS0B  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 962.0 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

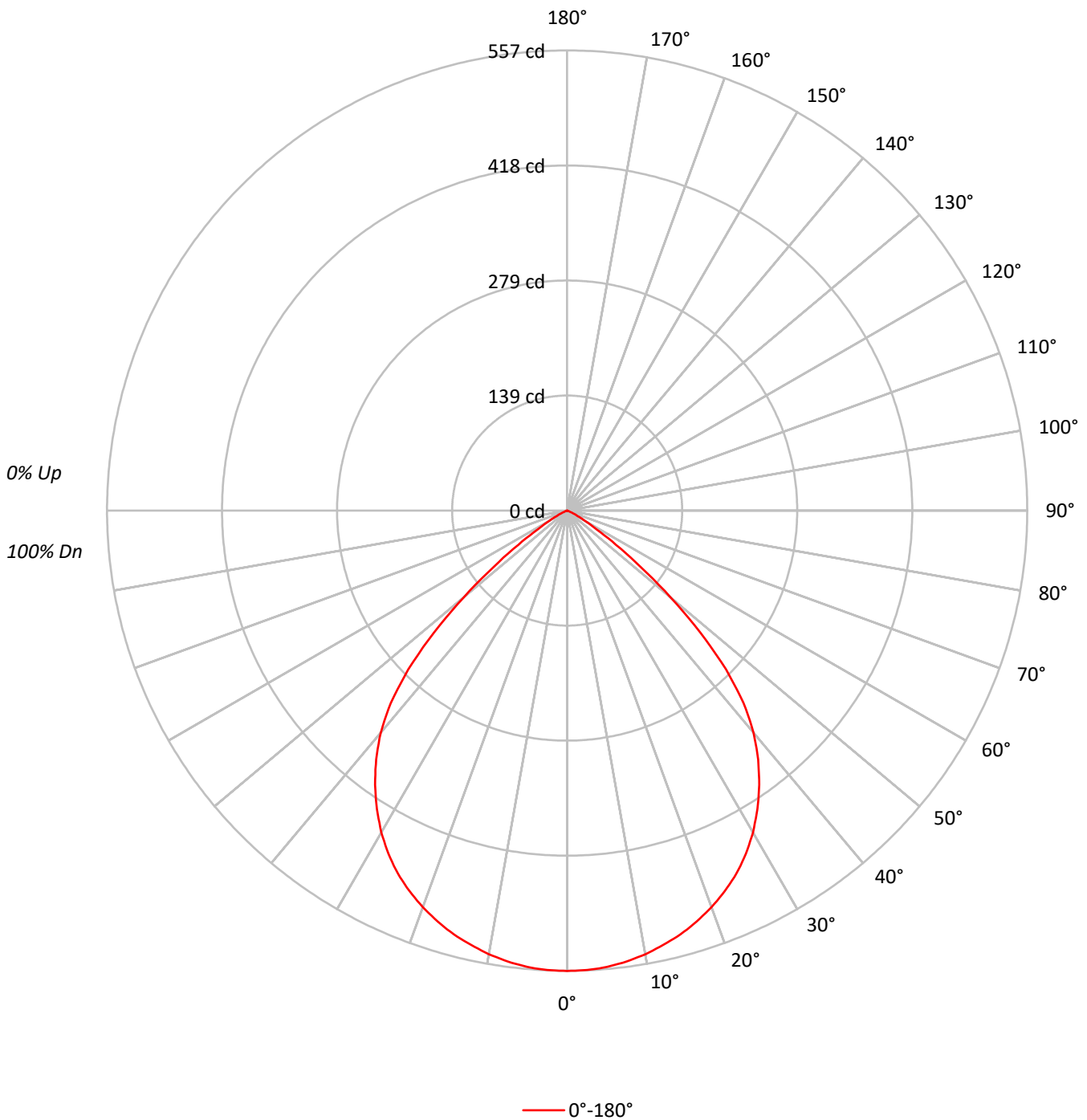
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	67	60	56	65	60	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

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

	0°
0°	17185
5°	17167
10°	17074
15°	16952
20°	16765
25°	16498
30°	16016
35°	15261
40°	14137
45°	11862
50°	7844
55°	3871
60°	1536
65°	598
70°	90
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.6	5.5
10°-20°	149.7	15.6
20°-30°	222.8	23.2
30°-40°	252.3	26.2
40°-50°	204.0	21.2
50°-60°	70.8	7.4
60°-70°	9.7	1.0
70°-80°	0.1	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°	425.1	44.2
0°-40°	677.4	70.4
0°-60°	952.2	99.0
0°-90°	962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	557	
5°	555	53
15°	531	150
25°	485	223
35°	405	252
45°	272	204
55°	72	71
65°	8	10
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	557.3
2.5°	556.6
5°	554.6
7.5°	550.5
10°	545.3
12.5°	538.5
15°	531.0
17.5°	521.5
20°	510.9
22.5°	498.6
25°	484.9
27.5°	468.6
30°	449.8
32.5°	428.6
35°	405.4
37.5°	379.8
40°	351.2
42.5°	316.0
45°	272.0
47.5°	218.8
50°	163.5
52.5°	111.9
55°	72.0
57.5°	42.7
60°	24.9
62.5°	14.7
65°	8.2
67.5°	3.8
70°	1.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)