

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: P244356

Luminaire Tested: **LD8B10D010 ER8B10950 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B10D010 ER8B10950 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 964.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

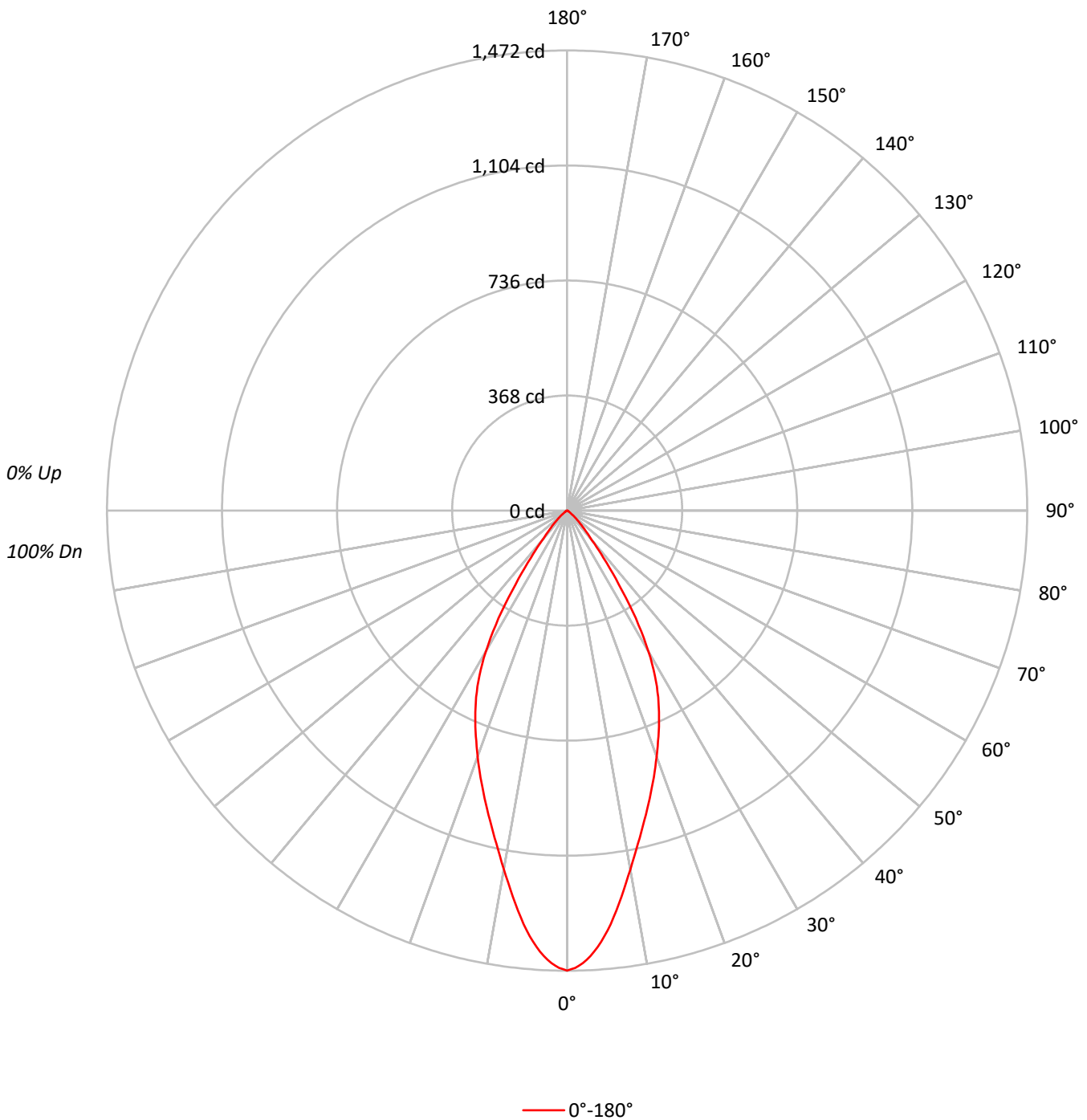
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

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

	0°
0°	45379
5°	42327
10°	36485
15°	31576
20°	27466
25°	23606
30°	18548
35°	10823
40°	4991
45°	2586
50°	1295
55°	629
60°	321
65°	190
70°	90
75°	83
80°	53
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.7	12.8
10°-20°	276.5	28.7
20°-30°	314.4	32.6
30°-40°	184.7	19.2
40°-50°	49.6	5.1
50°-60°	11.8	1.2
60°-70°	2.7	0.3
70°-80°	0.6	0.1
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°	714.7	74.1
0°-40°	899.4	93.3
0°-60°	960.7	99.7
0°-90°	964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	964.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1472	
5°	1367	124
15°	989	277
25°	694	314
35°	288	185
45°	59	50
55°	12	12
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1471.6
1°	1463.4
2°	1448.4
3°	1427.3
4°	1399.9
5°	1367.4
6°	1330.6
7°	1288.9
8°	1247.2
9°	1205.2
10°	1165.2
11°	1126.1
12°	1089.3
13°	1055.2
14°	1021.0
15°	989.1
16°	957.8
17°	926.9
18°	896.9
19°	866.7
20°	837.0
21°	807.4
22°	779.1
23°	751.1
24°	722.4
25°	693.8
26°	664.2
27°	631.9
28°	598.1
29°	560.9
30°	520.9
32.5°	408.6
35°	287.5
37.5°	189.5
40°	124.0
42.5°	85.6
45°	59.3
47.5°	40.7
50°	27.0
52.5°	17.6
55°	11.7
57.5°	7.8
60°	5.2
62.5°	3.6
65°	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	1.0
72.5°	0.7
75°	0.7
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)