

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: P248053

Luminaire Tested: **LD8B200D010 ER8B200930 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200930 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16877.7 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

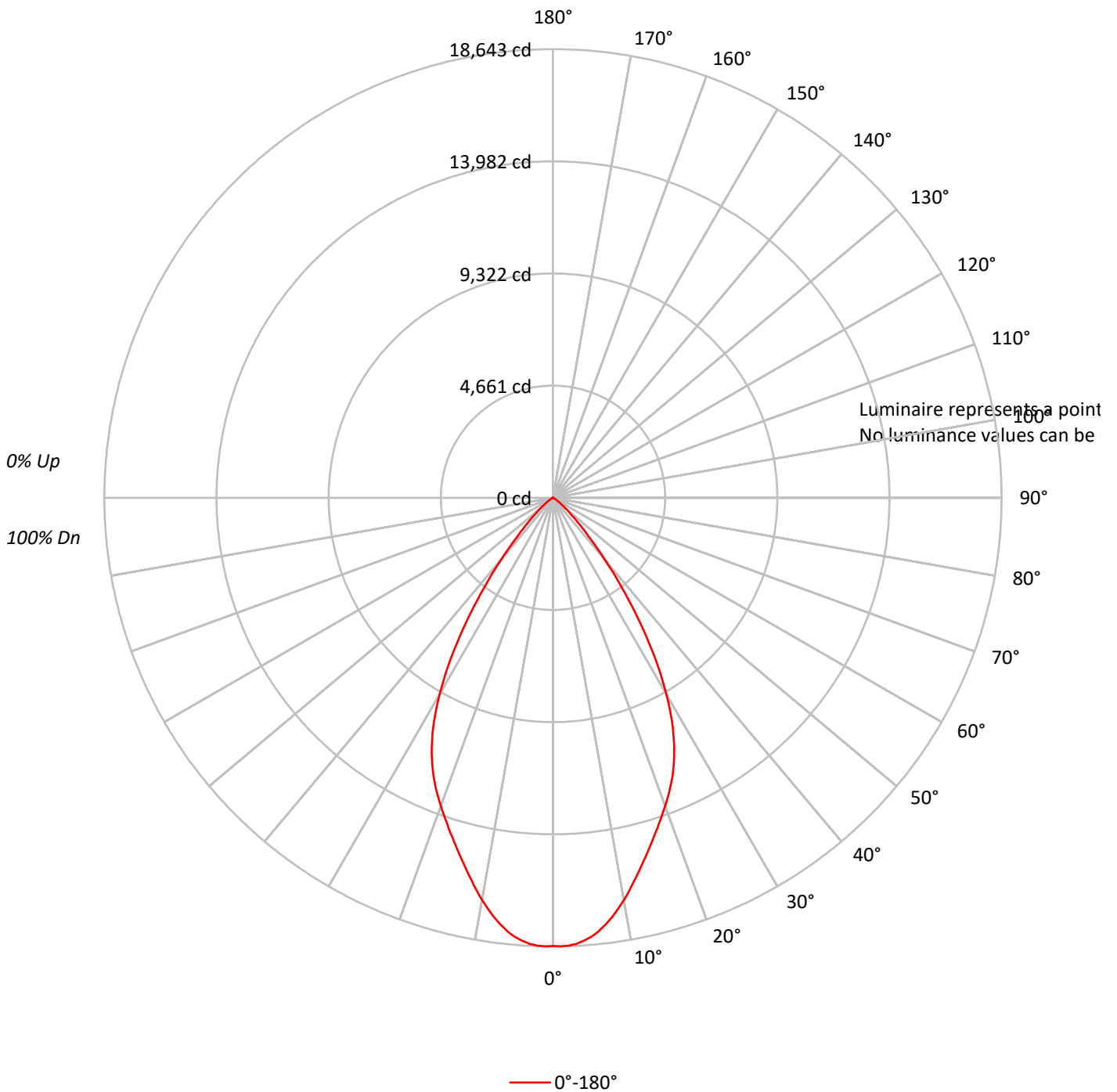
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1703.7	10.1
10°-20°	4271.9	25.3
20°-30°	5392.6	32.0
30°-40°	3879.3	23.0
40°-50°	1283.9	7.6
50°-60°	279.6	1.7
60°-70°	57.7	0.3
70°-80°	6.1	0.0
80°-90°	2.8	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°	11368.2	67.4
0°-40°	15247.5	90.3
0°-60°	16811.1	99.6
0°-90°	16877.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16877.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18617	
5°	18308	###
15°	15218	4272
25°	11911	5393
35°	6252	3879
45°	1506	1284
55°	273	280
65°	52	58
75°	5	6
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18617.1
1°	18642.9
2°	18622.2
3°	18560.3
4°	18446.8
5°	18307.5
6°	18116.7
7°	17869.2
8°	17595.7
9°	17296.5
10°	16966.3
11°	16631.0
12°	16264.8
13°	15913.9
14°	15558.0
15°	15217.7
16°	14882.3
17°	14562.5
18°	14242.8
19°	13938.3
20°	13628.8
21°	13314.1
22°	13004.6
23°	12669.2
24°	12308.2
25°	11911.1
26°	11493.2
27°	11028.8
28°	10538.9
29°	9992.0
30°	9424.6
31°	8826.2
32°	8196.9
33°	7536.6
34°	6891.8
35°	6252.0
37.5°	4694.3
40°	3327.2
42.5°	2254.3
45°	1506.3
47.5°	1011.0
50°	675.7
52.5°	407.6
55°	273.4
57.5°	190.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	113.4
62.5°	77.3
65°	51.7
67.5°	46.4
70°	5.2
72.5°	10.3
75°	5.2
77.5°	5.2
80°	0.0
82.5°	10.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)