

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: P250791

Luminaire Tested: **LD8B200D010 ER8B200930 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250791  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200930 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17672.6 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

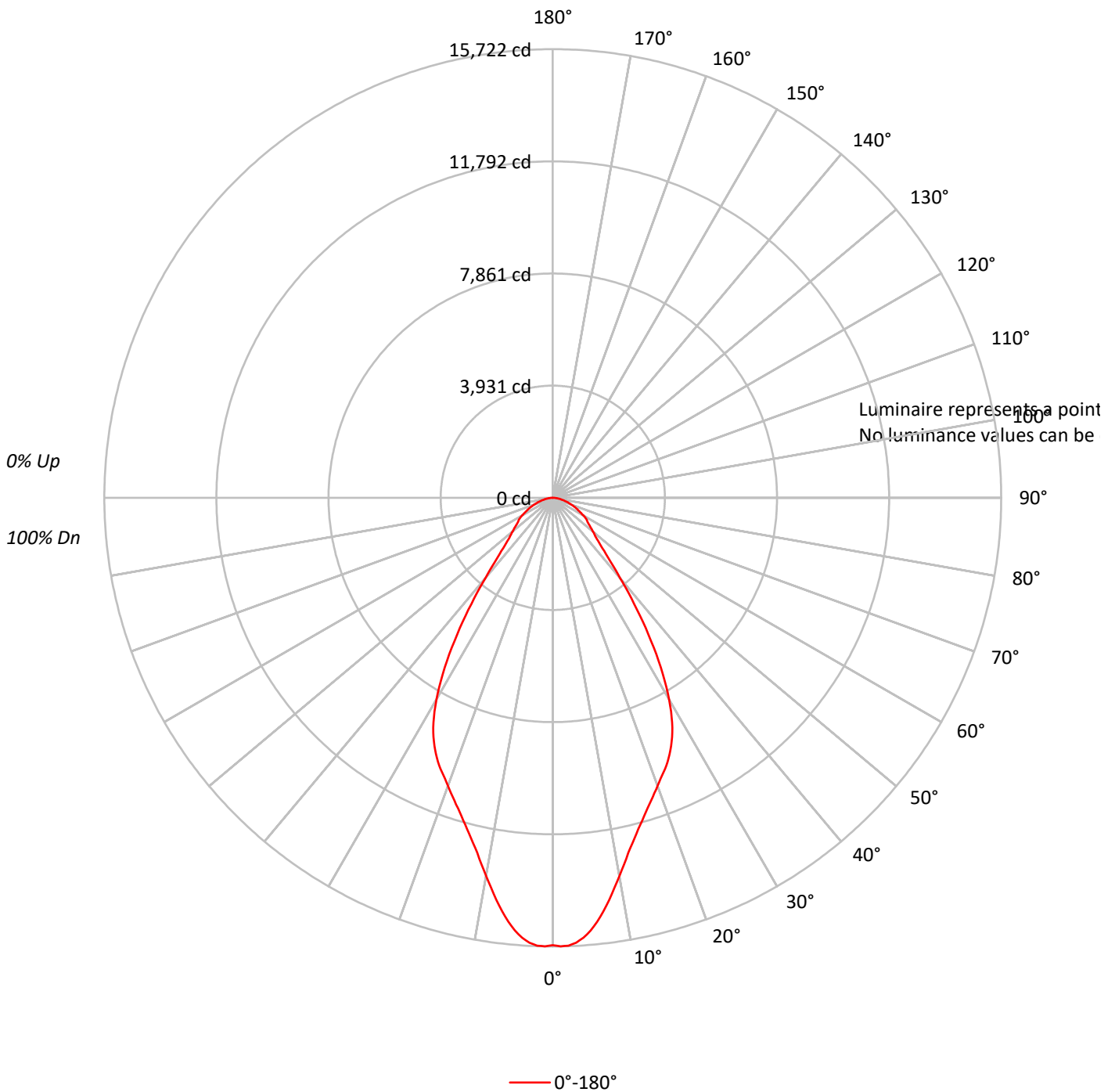
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1393.2	7.9
10°-20°	3343.9	18.9
20°-30°	4431.3	25.1
30°-40°	3633.7	20.6
40°-50°	1935.3	11.0
50°-60°	1362.1	7.7
60°-70°	939.3	5.3
70°-80°	489.2	2.8
80°-90°	144.7	0.8
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°	9168.3	51.9
0°-40°	12802.0	72.4
0°-60°	16099.4	91.1
0°-90°	17672.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17672.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15676	
5°	15221	###
15°	11857	3344
25°	9761	4431
35°	5844	3634
45°	2388	1935
55°	1498	1362
65°	941	939
75°	465	489
85°	133	145
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	15676.5
1°	15722.5
2°	15702.0
3°	15609.9
4°	15451.5
5°	15221.4
6°	14935.1
7°	14592.5
8°	14224.4
9°	13830.7
10°	13452.3
11°	13089.2
12°	12721.1
13°	12414.3
14°	12122.9
15°	11857.0
16°	11606.5
17°	11376.5
18°	11161.6
19°	10946.9
20°	10742.4
21°	10543.0
22°	10369.2
23°	10190.2
24°	9980.6
25°	9760.7
26°	9510.2
27°	9229.0
28°	8912.0
29°	8559.2
30°	8155.2
31°	7730.9
32°	7286.1
33°	6810.5
34°	6335.0
35°	5844.1
37.5°	4683.5
40°	3671.2
42.5°	2899.1
45°	2387.7
47.5°	2050.4
50°	1840.7
52.5°	1656.6
55°	1498.1
57.5°	1400.9



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	1237.4
62.5°	1078.9
65°	940.9
67.5°	818.1
70°	685.0
72.5°	572.6
75°	465.3
77.5°	337.4
80°	276.1
82.5°	199.4
85°	133.0
87.5°	61.3
90°	0.0

(END OF REPORT)