

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: P249944

Luminaire Tested: **LD8B200D010 ER8B200927 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249944  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200927 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16435.1 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

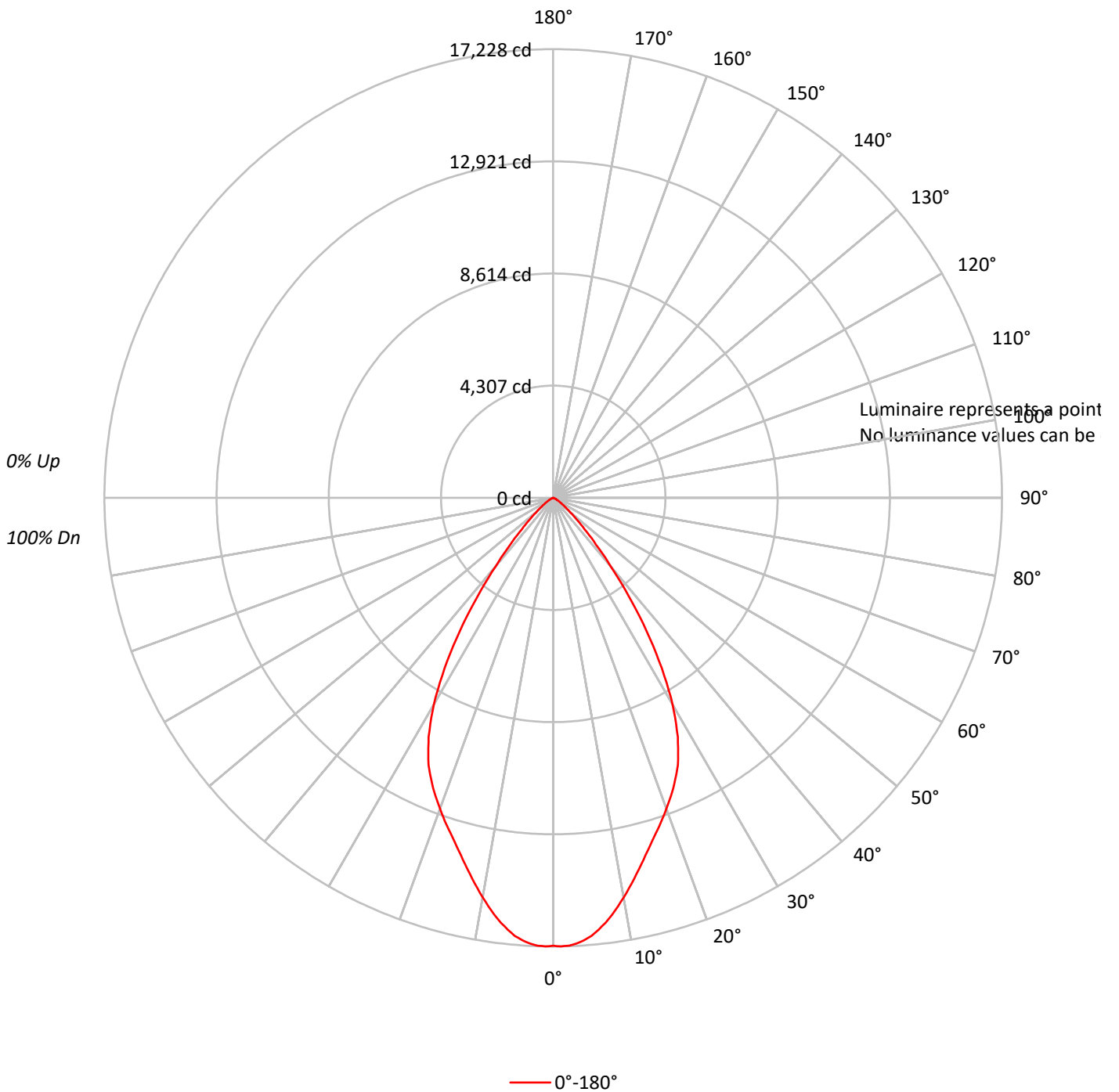
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101		100	99	98		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60		68	64	60		67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56		64	60	56		63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53		61	56	52		60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49		57	53	49		57	52	49	48

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1568.3	9.5
10°-20°	3945.8	24.0
20°-30°	5122.4	31.2
30°-40°	3866.3	23.5
40°-50°	1414.7	8.6
50°-60°	395.5	2.4
60°-70°	103.9	0.6
70°-80°	17.5	0.1
80°-90°	0.7	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°	10636.5	64.7
0°-40°	14502.8	88.2
0°-60°	16313.0	99.3
0°-90°	16435.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16435.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17202	
5°	16884	###
15°	14024	3946
25°	11323	5122
35°	6243	3866
45°	1697	1415
55°	405	395
65°	97	104
75°	15	18
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17202.3
1°	17227.9
2°	17207.4
3°	17140.8
4°	17028.0
5°	16884.4
6°	16674.3
7°	16443.7
8°	16177.2
9°	15885.0
10°	15577.4
11°	15269.8
12°	14952.0
13°	14629.2
14°	14321.6
15°	14024.2
16°	13742.3
17°	13470.8
18°	13224.7
19°	12968.3
20°	12707.0
22.5°	12055.9
25°	11323.0
27.5°	10354.2
30°	9175.3
32.5°	7755.4
35°	6243.3
37.5°	4767.1
40°	3439.5
42.5°	2434.7
45°	1696.6
47.5°	1194.3
50°	804.7
52.5°	589.5
55°	404.9
57.5°	292.2
60°	194.7
62.5°	143.5
65°	97.4
67.5°	66.6
70°	35.9
72.5°	25.6
75°	15.4
77.5°	5.2
80°	5.2



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)