

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: P249951

Luminaire Tested: **LD8B200D010 ER8B200930 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249951  
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 ER8B200930 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17326.3 lumens  
Efficiency: N/A  
Efficacy: 77.6 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

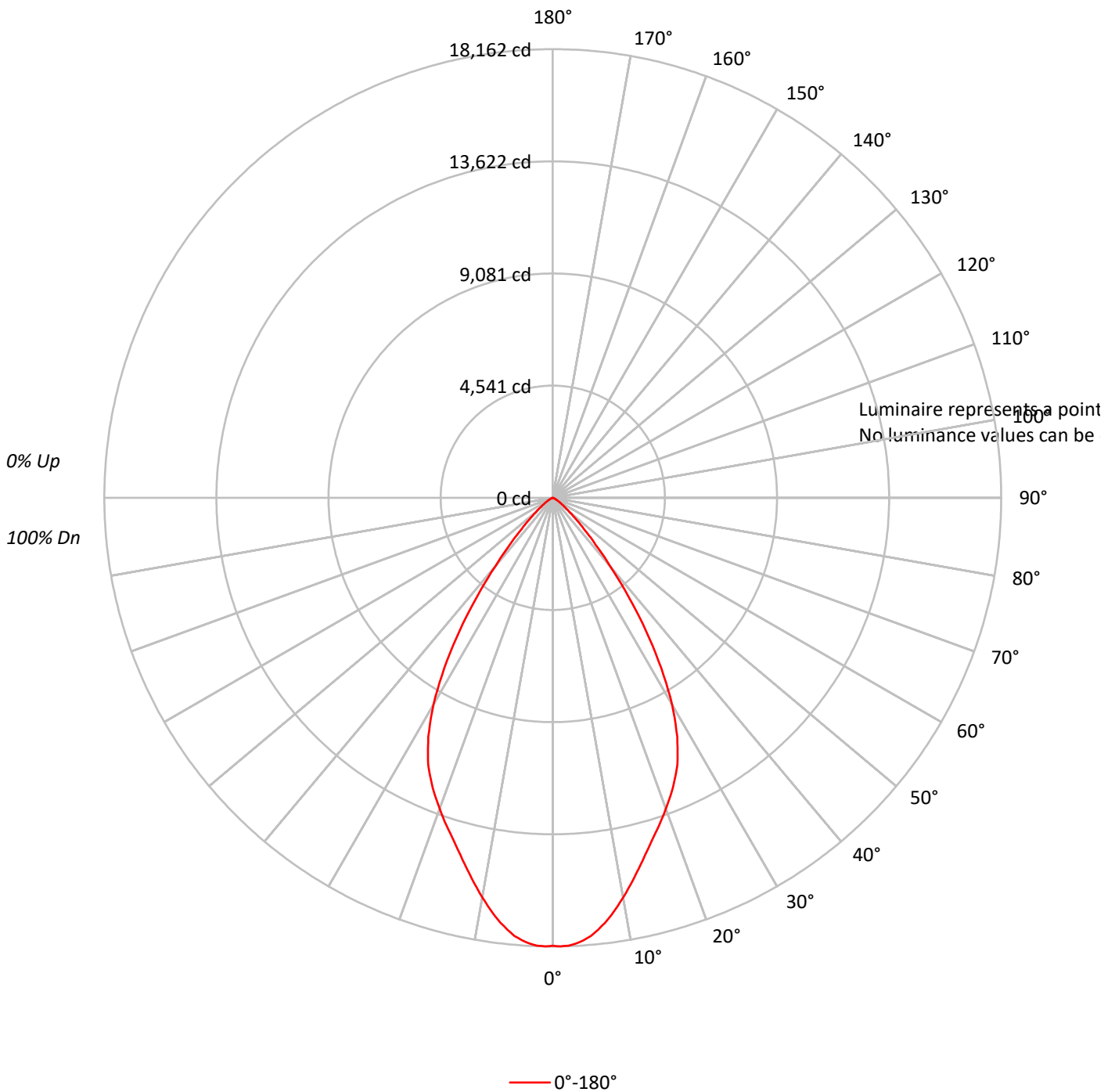
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1653.3	9.5
10°-20°	4159.7	24.0
20°-30°	5400.2	31.2
30°-40°	4075.9	23.5
40°-50°	1491.4	8.6
50°-60°	417.0	2.4
60°-70°	109.6	0.6
70°-80°	18.4	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°	11213.2	64.7
0°-40°	15289.1	88.2
0°-60°	17197.5	99.3
0°-90°	17326.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17326.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18135	
5°	17800	###
15°	14785	4160
25°	11937	5400
35°	6582	4076
45°	1789	1491
55°	427	417
65°	103	110
75°	16	18
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	18135.0
1°	18162.0
2°	18140.4
3°	18070.1
4°	17951.2
5°	17799.9
6°	17578.4
7°	17335.1
8°	17054.2
9°	16746.2
10°	16422.0
11°	16097.8
12°	15762.7
13°	15422.3
14°	15098.1
15°	14784.6
16°	14487.5
17°	14201.1
18°	13941.7
19°	13671.5
20°	13395.8
22.5°	12709.6
25°	11936.9
27.5°	10915.5
30°	9672.7
32.5°	8175.9
35°	6581.7
37.5°	5025.4
40°	3625.9
42.5°	2566.8
45°	1788.7
47.5°	1259.1
50°	848.4
52.5°	621.5
55°	426.9
57.5°	308.1
60°	205.4
62.5°	151.3
65°	102.7
67.5°	70.3
70°	37.8
72.5°	27.0
75°	16.3
77.5°	5.4
80°	5.4



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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)