

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: P250777

Luminaire Tested: **LD8B200D010 ER8B200950 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250777  
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 ER8B200950 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19735.0 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

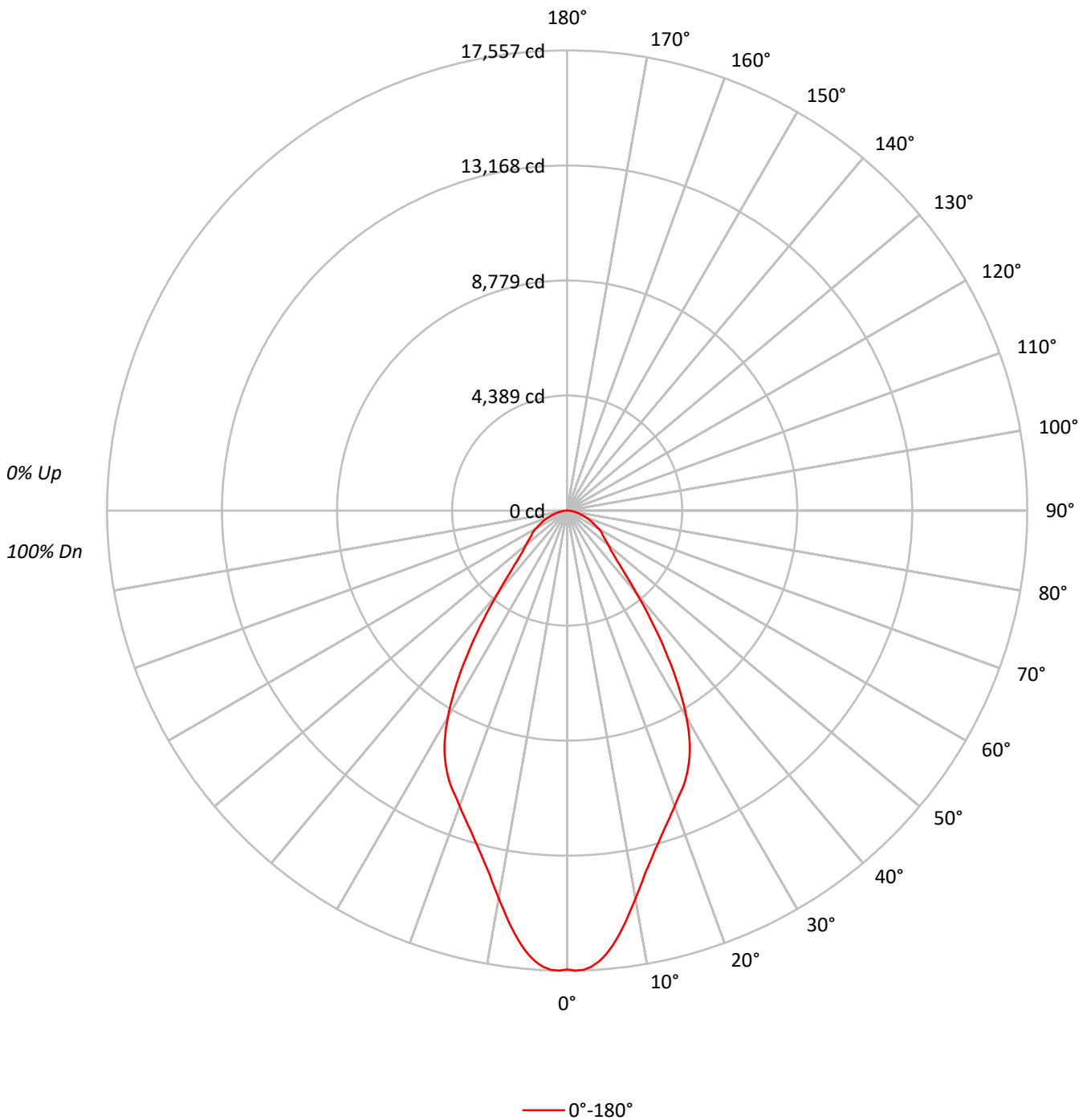
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**

	0°
0°	539821
5°	526149
10°	470375
15°	422701
20°	393656
25°	370856
30°	324267
35°	245670
40°	165025
45°	116279
50°	98608
55°	89943
60°	85213
65°	76657
70°	68972
75°	61906
80°	54748
85°	52540



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1555.8	7.9
10°-20°	3734.1	18.9
20°-30°	4948.4	25.1
30°-40°	4057.7	20.6
40°-50°	2161.2	11.0
50°-60°	1521.1	7.7
60°-70°	1048.9	5.3
70°-80°	546.2	2.8
80°-90°	161.6	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°	10238.3	51.9
0°-40°	14296.0	72.4
0°-60°	17978.3	91.1
0°-90°	19735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19735.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17506	
5°	16998	###
15°	13241	3734
25°	10900	4948
35°	6526	4058
45°	2666	2161
55°	1673	1521
65°	1051	1049
75°	520	546
85°	148	162
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17506.0
1°	17557.4
2°	17534.5
3°	17431.6
4°	17254.8
5°	16997.7
6°	16678.0
7°	16295.5
8°	15884.4
9°	15444.7
10°	15022.2
11°	14616.8
12°	14205.7
13°	13863.1
14°	13537.7
15°	13240.8
16°	12961.0
17°	12704.1
18°	12464.2
19°	12224.5
20°	11996.1
21°	11773.4
22°	11579.3
23°	11379.4
24°	11145.4
25°	10899.8
26°	10620.1
27°	10306.0
28°	9952.0
29°	9558.0
30°	9106.9
31°	8633.0
32°	8136.4
33°	7605.4
34°	7074.3
35°	6526.1
37.5°	5230.1
40°	4099.6
42.5°	3237.4
45°	2666.4
47.5°	2289.7
50°	2055.5
52.5°	1850.0
55°	1673.0
57.5°	1564.4



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	1381.7
62.5°	1204.7
65°	1050.6
67.5°	913.5
70°	765.0
72.5°	639.4
75°	519.6
77.5°	376.8
80°	308.3
82.5°	222.7
85°	148.5
87.5°	68.5
90°	0.0

(END OF REPORT)