

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: P250763

Luminaire Tested: **LD8B200D010 ER8B200935 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250763  
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 ER8B200935 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18249.9 lumens  
Efficiency: N/A  
Efficacy: 81.7 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

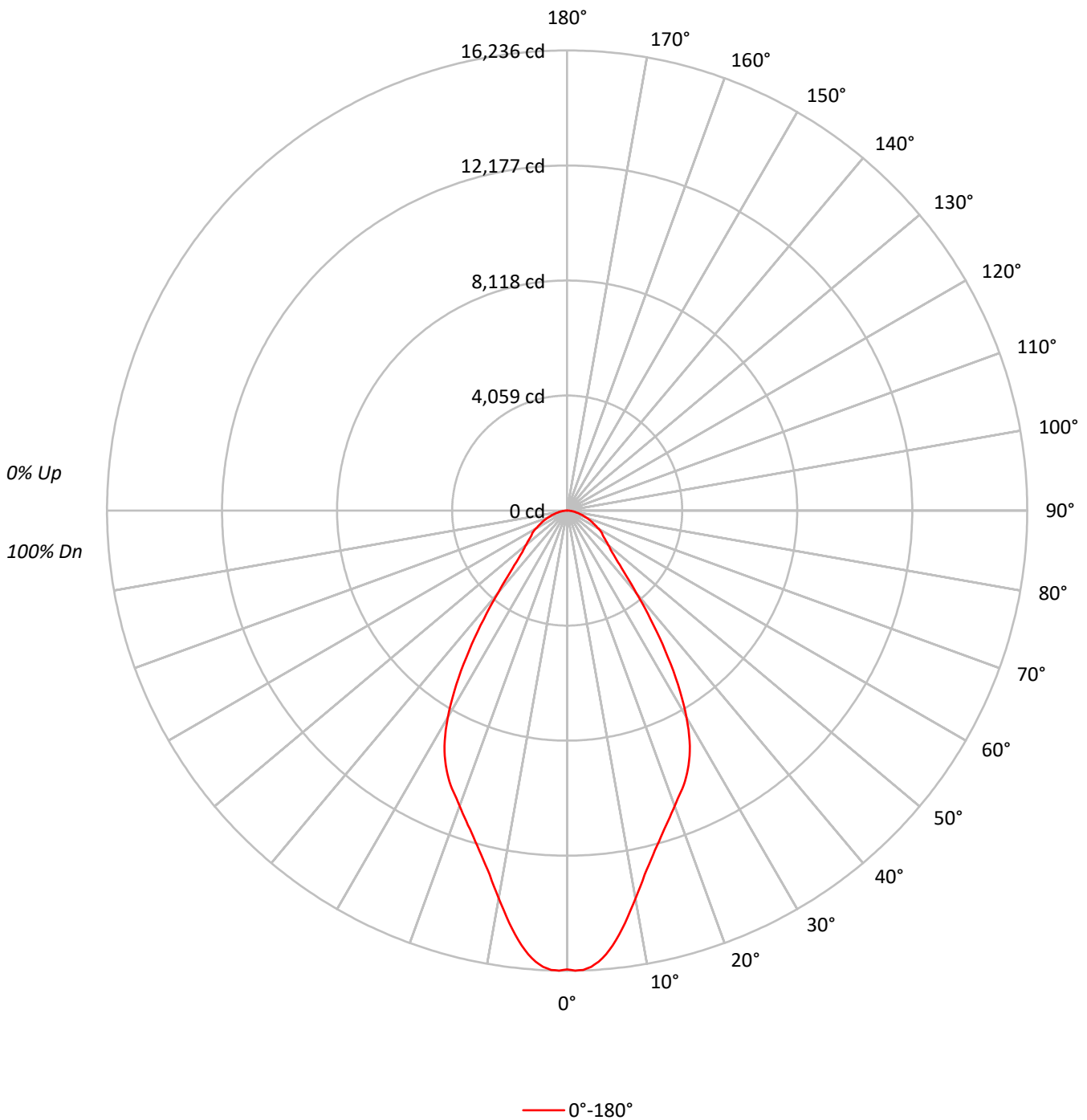
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	499200
5°	486558
10°	434983
15°	390895
20°	364033
25°	342949
30°	299869
35°	227186
40°	152607
45°	107531
50°	91187
55°	83174
60°	78799
65°	70885
70°	63788
75°	57248
80°	50628
85°	48578



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1438.7	7.9
10°-20°	3453.1	18.9
20°-30°	4576.0	25.1
30°-40°	3752.4	20.6
40°-50°	1998.5	11.0
50°-60°	1406.6	7.7
60°-70°	970.0	5.3
70°-80°	505.1	2.8
80°-90°	149.4	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°	9467.9	51.9
0°-40°	13220.3	72.4
0°-60°	16625.4	91.1
0°-90°	18249.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18249.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16189	
5°	15719	###
15°	12244	3453
25°	10080	4576
35°	6035	3752
45°	2466	1999
55°	1547	1407
65°	972	970
75°	480	505
85°	137	149
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16188.7
1°	16236.2
2°	16215.0
3°	16120.0
4°	15956.4
5°	15718.7
6°	15423.1
7°	15069.3
8°	14689.1
9°	14282.5
10°	13891.9
11°	13516.9
12°	13136.7
13°	12819.9
14°	12519.0
15°	12244.5
16°	11985.7
17°	11748.1
18°	11526.3
19°	11304.6
20°	11093.4
21°	10887.5
22°	10708.0
23°	10523.1
24°	10306.7
25°	10079.6
26°	9821.0
27°	9530.5
28°	9203.1
29°	8838.8
30°	8421.7
31°	7983.4
32°	7524.1
33°	7033.1
34°	6542.0
35°	6035.1
37.5°	4836.5
40°	3791.1
42.5°	2993.8
45°	2465.8
47.5°	2117.4
50°	1900.8
52.5°	1710.8
55°	1547.1
57.5°	1446.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	1277.7
62.5°	1114.0
65°	971.5
67.5°	844.8
70°	707.5
72.5°	591.3
75°	480.5
77.5°	348.4
80°	285.1
82.5°	205.9
85°	137.3
87.5°	63.3
90°	0.0

(END OF REPORT)