

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: P250725

Luminaire Tested: **LD8B120D010 ER8B120835 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250725  
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: LD8B120D010 ER8B120835 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12304.0 lumens  
Efficiency: N/A  
Efficacy: 104.0 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

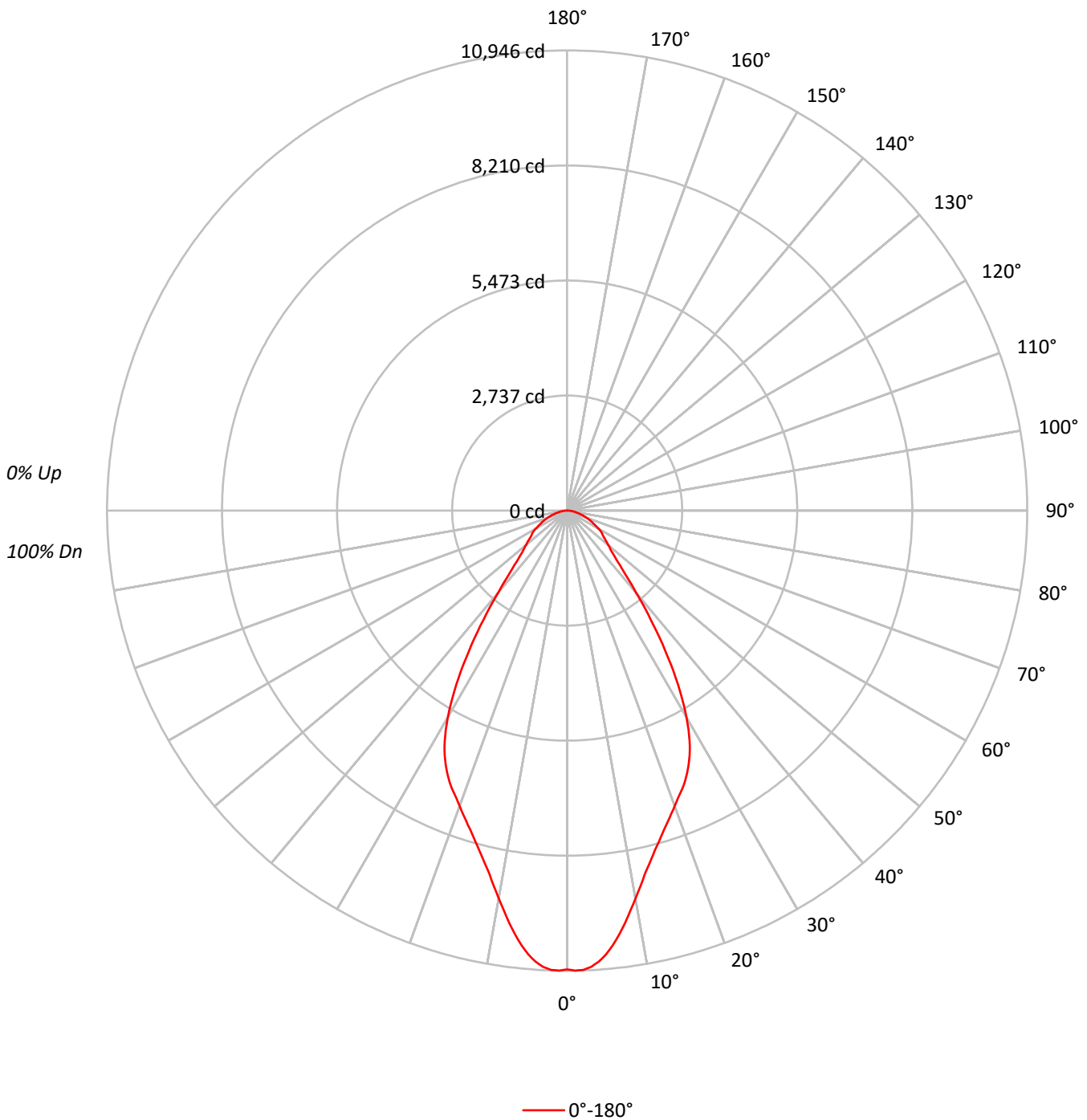
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	336557
5°	328033
10°	293262
15°	263537
20°	245429
25°	231214
30°	202168
35°	153167
40°	102885
45°	72496
50°	61477
55°	56073
60°	53125
65°	47792
70°	43006
75°	38590
80°	34131
85°	32763



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	970.0	7.9
10°-20°	2328.1	18.9
20°-30°	3085.1	25.1
30°-40°	2529.8	20.6
40°-50°	1347.4	11.0
50°-60°	948.3	7.7
60°-70°	654.0	5.3
70°-80°	340.6	2.8
80°-90°	100.7	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°	6383.2	51.9
0°-40°	8913.0	72.4
0°-60°	11208.7	91.1
0°-90°	12304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12304.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10914	
5°	10597	970
15°	8255	2328
25°	6796	3085
35°	4069	2530
45°	1662	1347
55°	1043	948
65°	655	654
75°	324	341
85°	93	101
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10914.3
1°	10946.3
2°	10932.0
3°	10867.9
4°	10757.7
5°	10597.4
6°	10398.1
7°	10159.6
8°	9903.3
9°	9629.2
10°	9365.8
11°	9113.0
12°	8856.7
13°	8643.1
14°	8440.2
15°	8255.1
16°	8080.7
17°	7920.5
18°	7771.0
19°	7621.5
20°	7479.1
21°	7340.2
22°	7219.2
23°	7094.6
24°	6948.7
25°	6795.6
26°	6621.2
27°	6425.4
28°	6204.7
29°	5959.1
30°	5677.8
31°	5382.4
32°	5072.7
33°	4741.6
34°	4410.6
35°	4068.8
37.5°	3260.7
40°	2555.9
42.5°	2018.4
45°	1662.4
47.5°	1427.5
50°	1281.5
52.5°	1153.4
55°	1043.0
57.5°	975.4



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	861.4
62.5°	751.1
65°	655.0
67.5°	569.6
70°	477.0
72.5°	398.7
75°	323.9
77.5°	234.9
80°	192.2
82.5°	138.8
85°	92.6
87.5°	42.7
90°	0.0

(END OF REPORT)