

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: P250790

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250790  
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: LD8B175D010 ER8B1759730 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13374.0 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

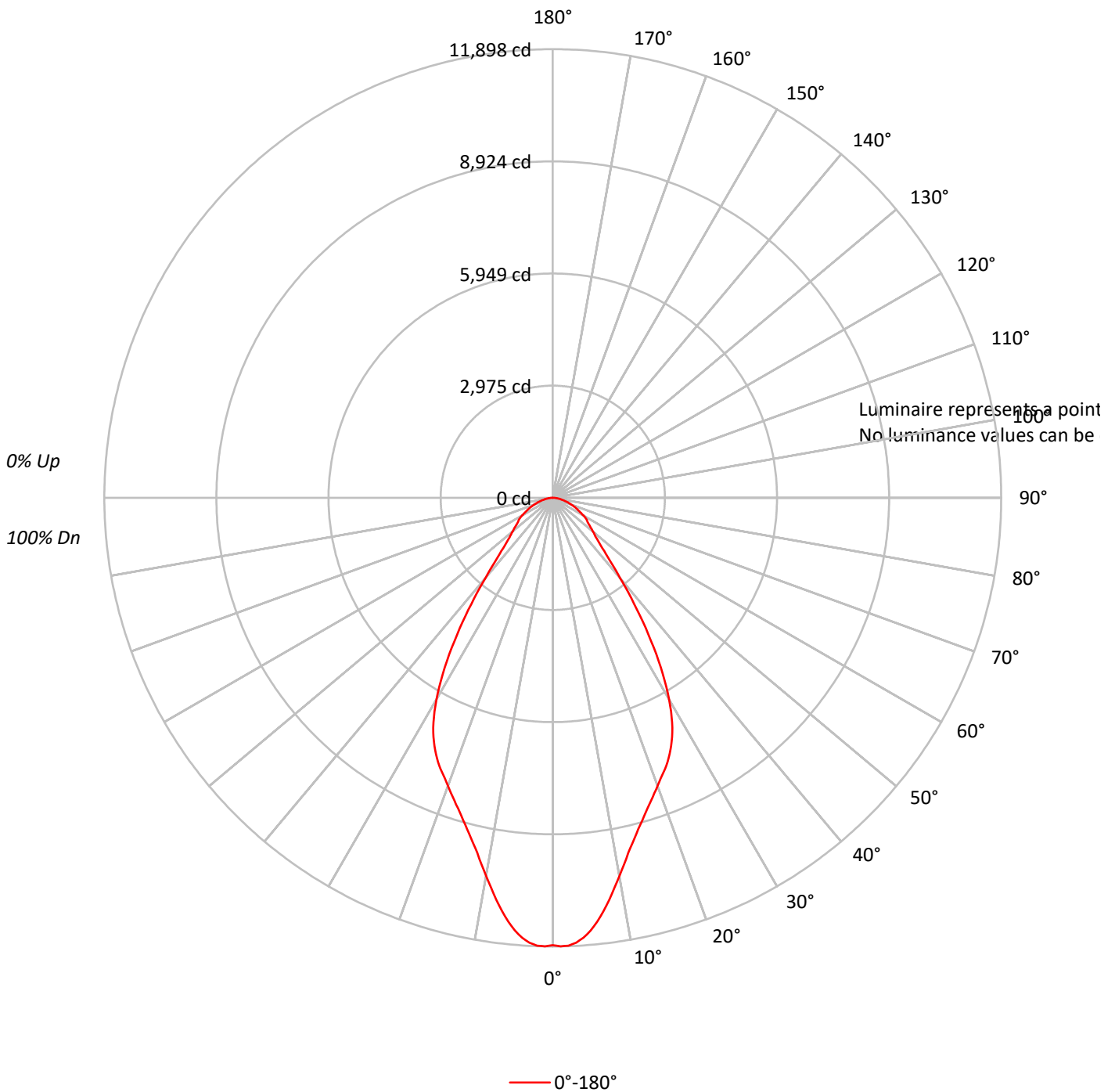
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1054.3	7.9
10°-20°	2530.5	18.9
20°-30°	3353.4	25.1
30°-40°	2749.8	20.6
40°-50°	1464.6	11.0
50°-60°	1030.8	7.7
60°-70°	710.8	5.3
70°-80°	370.2	2.8
80°-90°	109.5	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°	6938.3	51.9
0°-40°	9688.1	72.4
0°-60°	12183.5	91.1
0°-90°	13374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13374.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11863	
5°	11519	###
15°	8973	2531
25°	7387	3353
35°	4423	2750
45°	1807	1465
55°	1134	1031
65°	712	711
75°	352	370
85°	101	109
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11863.4
1°	11898.3
2°	11882.7
3°	11813.1
4°	11693.2
5°	11519.0
6°	11302.4
7°	11043.1
8°	10764.5
9°	10466.6
10°	10180.3
11°	9905.5
12°	9626.9
13°	9394.7
14°	9174.2
15°	8973.0
16°	8783.4
17°	8609.3
18°	8446.7
19°	8284.3
20°	8129.5
21°	7978.6
22°	7847.1
23°	7711.6
24°	7553.0
25°	7386.6
26°	7197.0
27°	6984.2
28°	6744.3
29°	6477.3
30°	6171.6
31°	5850.4
32°	5513.9
33°	5154.0
34°	4794.1
35°	4422.6
37.5°	3544.3
40°	2778.2
42.5°	2193.9
45°	1807.0
47.5°	1551.6
50°	1393.0
52.5°	1253.7
55°	1133.7
57.5°	1060.2



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	936.4
62.5°	816.4
65°	712.0
67.5°	619.1
70°	518.4
72.5°	433.3
75°	352.1
77.5°	255.3
80°	209.0
82.5°	150.9
85°	100.6
87.5°	46.4
90°	0.0

(END OF REPORT)