

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: P250030

Luminaire Tested: **LD8B90D010 ER8B90930 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B90D010 ER8B90930 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6858.2 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

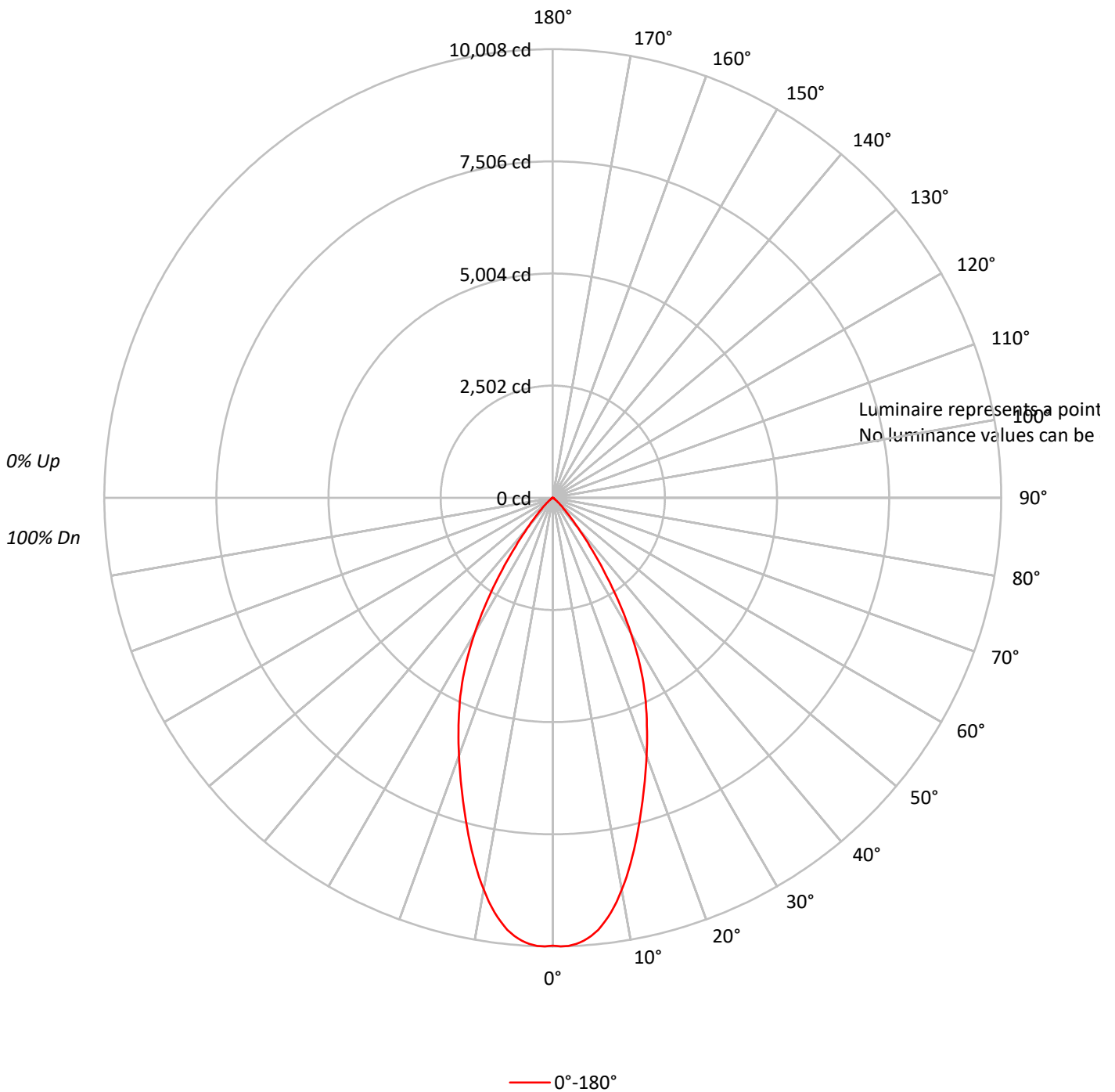
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	906.6	13.2
10°-20°	2080.2	30.3
20°-30°	2209.9	32.2
30°-40°	1260.9	18.4
40°-50°	312.6	4.6
50°-60°	61.5	0.9
60°-70°	18.5	0.3
70°-80°	4.4	0.1
80°-90°	3.6	0.1
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°	5196.7	75.8
0°-40°	6457.6	94.2
0°-60°	6831.7	99.6
0°-90°	6858.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6858.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9989	
5°	9813	907
15°	7473	2080
25°	4879	2210
35°	1972	1261
45°	353	313
55°	57	61
65°	14	19
75°	0	4
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9989.2
1°	10008.4
2°	10001.2
3°	9965.4
4°	9903.4
5°	9812.6
6°	9693.3
7°	9528.6
8°	9339.9
9°	9118.1
10°	8874.5
11°	8616.9
12°	8339.9
13°	8058.2
14°	7769.4
15°	7473.4
16°	7194.1
17°	6912.5
18°	6647.5
19°	6377.9
20°	6122.5
22.5°	5489.9
25°	4878.8
27.5°	4222.5
30°	3496.8
32.5°	2718.6
35°	1971.6
37.5°	1358.1
40°	878.4
42.5°	556.2
45°	353.2
47.5°	231.6
50°	145.6
52.5°	88.3
55°	57.3
57.5°	45.4
60°	28.6
62.5°	26.2
65°	14.3
67.5°	14.3
70°	12.0
72.5°	7.2
75°	0.0
77.5°	2.4
80°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.8
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)