

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: P250024

Luminaire Tested: **LSR8B100D010 EC8B1009727 8LBNOWMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250024
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: LSR8B100D010 EC8B1009727 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6672.0 lumens
Efficiency: N/A
Efficacy: 62.8 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

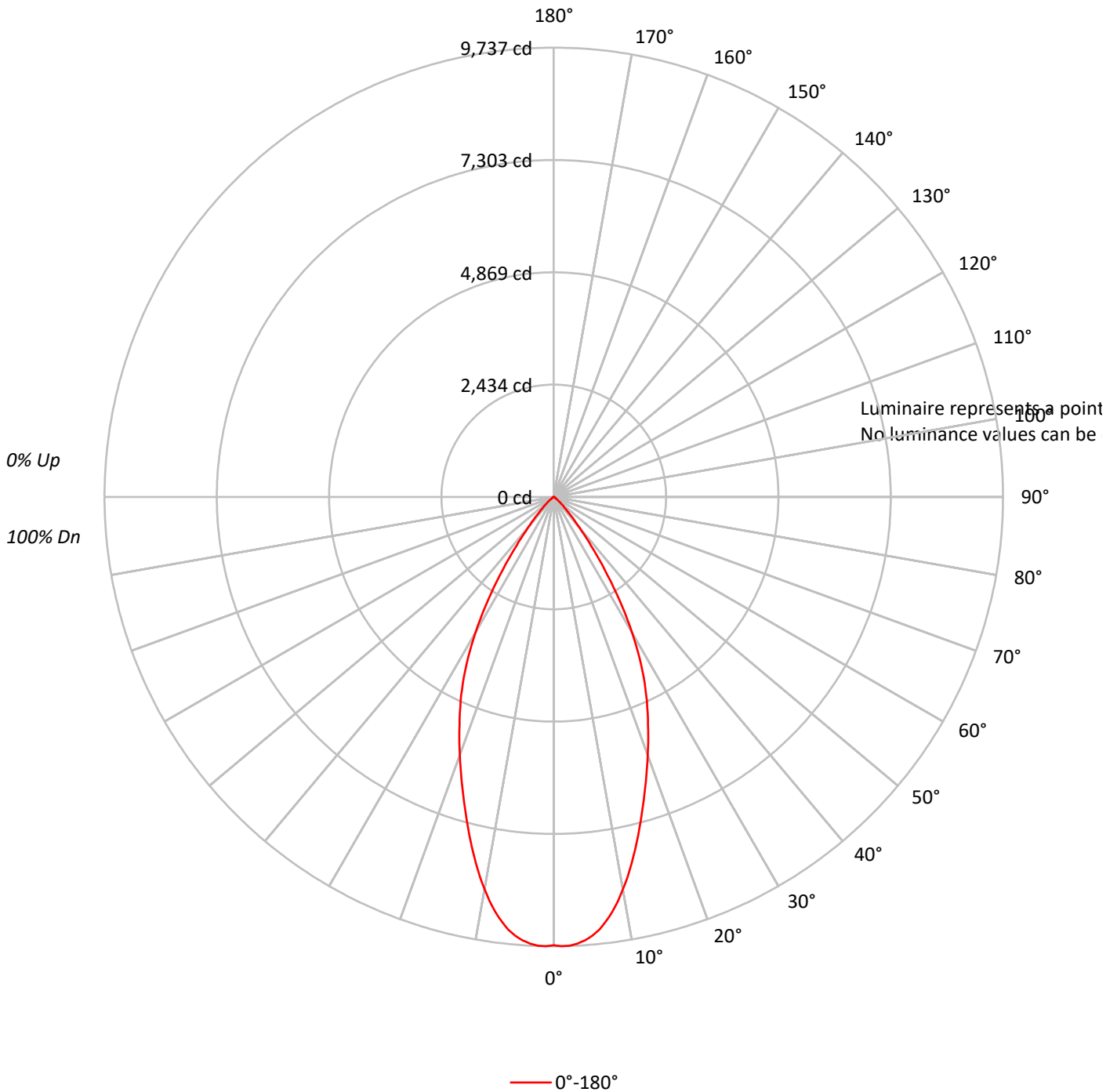
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	882.0	13.2
10°-20°	2023.7	30.3
20°-30°	2149.9	32.2
30°-40°	1226.6	18.4
40°-50°	304.2	4.6
50°-60°	59.8	0.9
60°-70°	18.0	0.3
70°-80°	4.3	0.1
80°-90°	3.5	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°	5055.6	75.8
0°-40°	6282.2	94.2
0°-60°	6646.2	99.6
0°-90°	6672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6672.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9718	
5°	9546	882
15°	7270	2024
25°	4746	2150
35°	1918	1227
45°	344	304
55°	56	60
65°	14	18
75°	0	4
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9717.9
1°	9736.6
2°	9729.6
3°	9694.7
4°	9634.4
5°	9546.1
6°	9430.1
7°	9269.8
8°	9086.3
9°	8870.4
10°	8633.5
11°	8382.8
12°	8113.4
13°	7839.4
14°	7558.4
15°	7270.4
16°	6998.8
17°	6724.8
18°	6467.0
19°	6204.7
20°	5956.2
22.5°	5340.8
25°	4746.3
27.5°	4107.8
30°	3401.9
32.5°	2644.8
35°	1918.0
37.5°	1321.2
40°	854.6
42.5°	541.1
45°	343.7
47.5°	225.3
50°	141.7
52.5°	86.0
55°	55.7
57.5°	44.1
60°	27.8
62.5°	25.5
65°	14.0
67.5°	14.0
70°	11.6
72.5°	7.0
75°	0.0
77.5°	2.3
80°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.7
85°	4.7
87.5°	2.3
90°	0.0

(END OF REPORT)