

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: P250022

Luminaire Tested: **LSR8B80D010 EC8B80927 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250022
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: LSR8B80D010 EC8B80927 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: 5775.8 lumens
Efficiency: N/A
Efficacy: 77.6 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

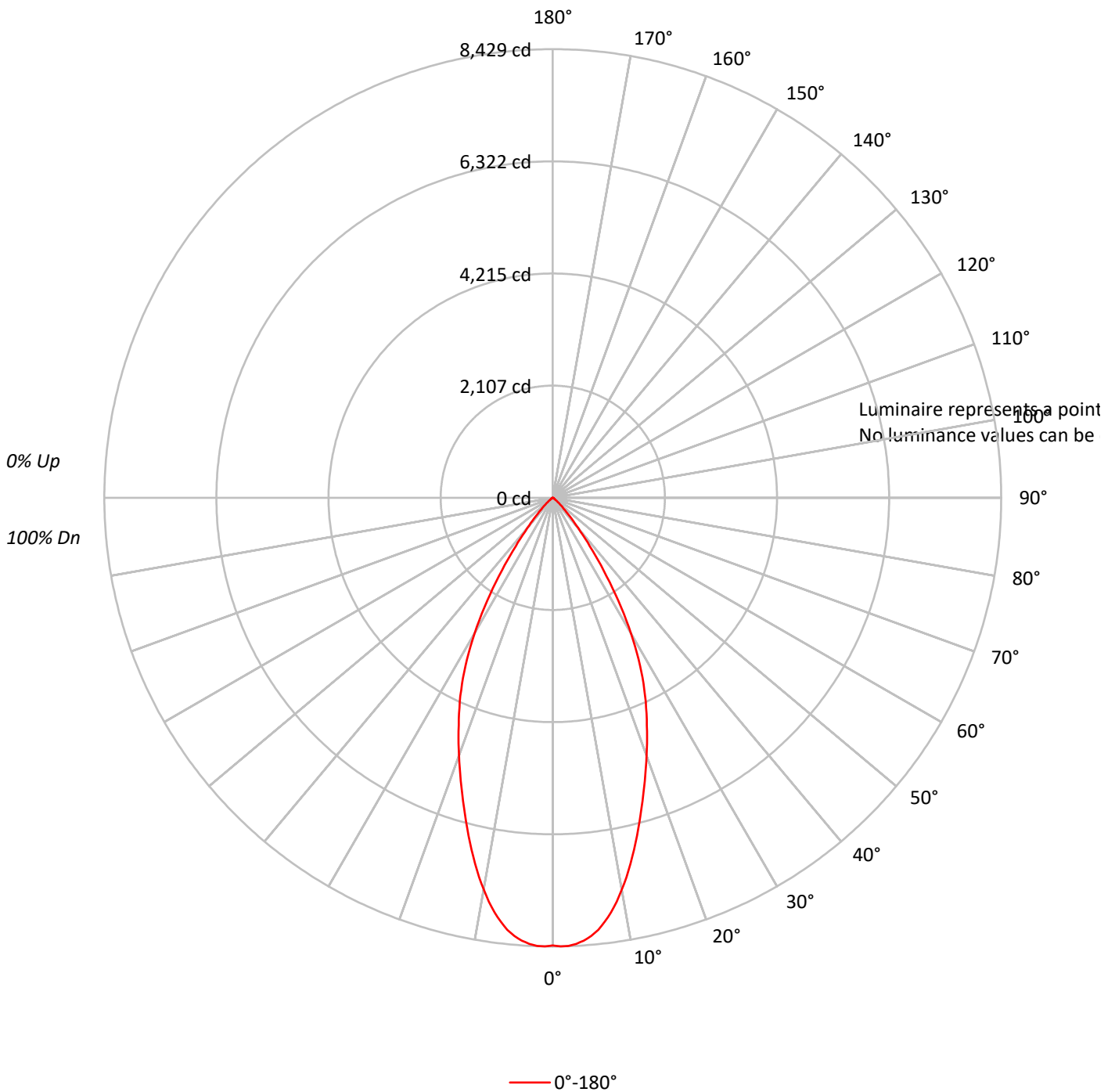
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	763.5	13.2
10°-20°	1751.8	30.3
20°-30°	1861.1	32.2
30°-40°	1061.9	18.4
40°-50°	263.3	4.6
50°-60°	51.8	0.9
60°-70°	15.7	0.3
70°-80°	3.7	0.1
80°-90°	3.0	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°	4376.5	75.8
0°-40°	5438.3	94.2
0°-60°	5753.4	99.6
0°-90°	5775.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5775.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8412	
5°	8264	764
15°	6294	1752
25°	4109	1861
35°	1660	1062
45°	297	263
55°	48	52
65°	12	16
75°	0	4
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8412.5
1°	8428.6
2°	8422.5
3°	8392.4
4°	8340.2
5°	8263.8
6°	8163.3
7°	8024.5
8°	7865.8
9°	7678.9
10°	7473.7
11°	7256.7
12°	7023.5
13°	6786.3
14°	6543.1
15°	6293.8
16°	6058.7
17°	5821.4
18°	5598.3
19°	5371.2
20°	5156.1
22.5°	4623.3
25°	4108.7
27.5°	3556.0
30°	2944.9
32.5°	2289.5
35°	1660.4
37.5°	1143.8
40°	739.8
42.5°	468.4
45°	297.4
47.5°	195.1
50°	122.6
52.5°	74.4
55°	48.3
57.5°	38.2
60°	24.1
62.5°	22.0
65°	12.2
67.5°	12.2
70°	10.1
72.5°	6.1
75°	0.0
77.5°	2.0
80°	2.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.0
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)