

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: P250610

Luminaire Tested: **LSR8B80D010 EC8B809727 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B809727 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3715.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

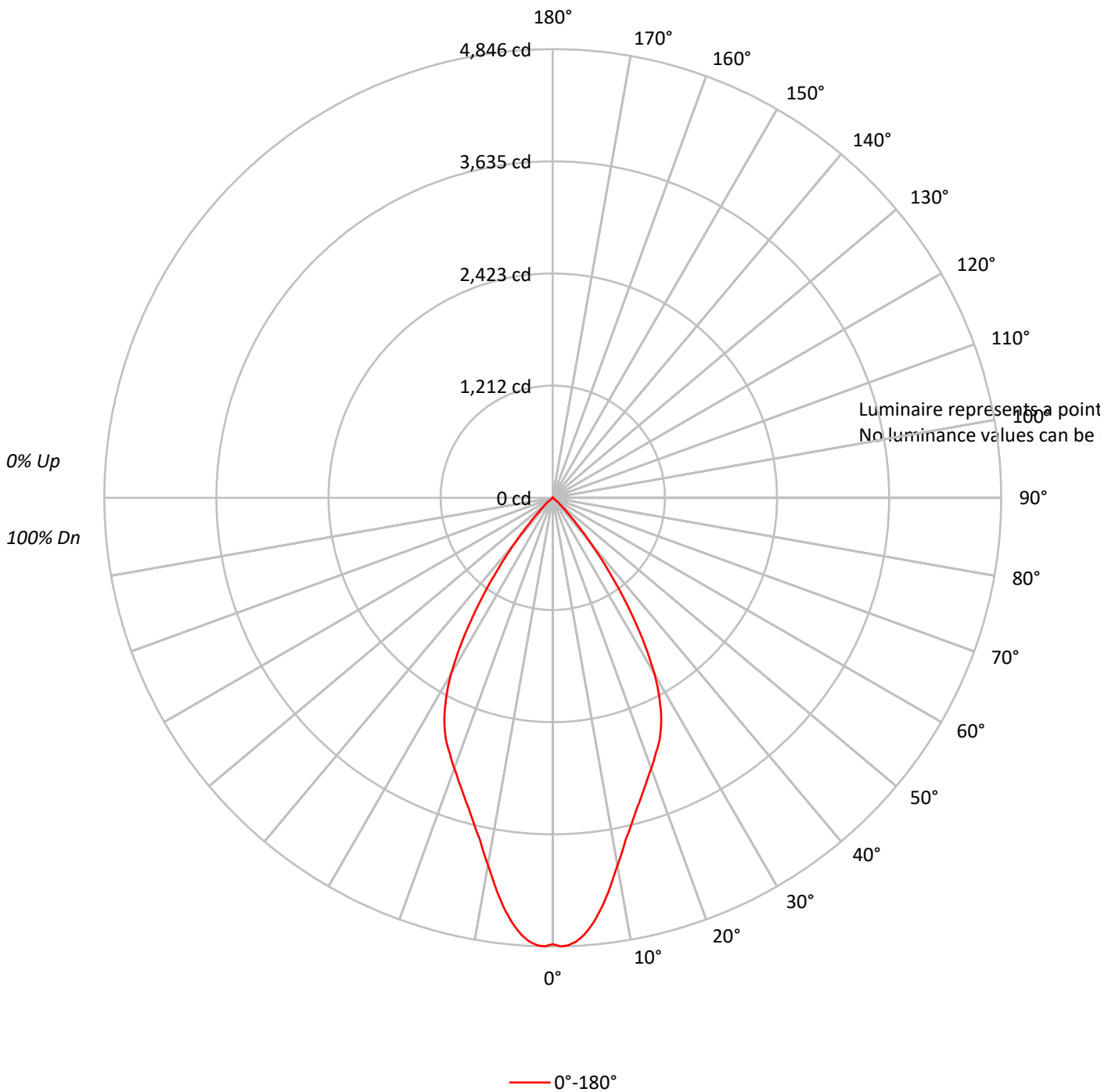
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.4	11.4
10°-20°	983.3	26.5
20°-30°	1247.4	33.6
30°-40°	854.6	23.0
40°-50°	194.7	5.2
50°-60°	9.7	0.3
60°-70°	0.4	0.0
70°-80°	0.7	0.0
80°-90°	0.7	0.0
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°	2654.1	71.4
0°-40°	3508.6	94.4
0°-60°	3713.1	99.9
0°-90°	3715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3715.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4820	
5°	4655	423
15°	3490	983
25°	2763	1247
35°	1381	855
45°	210	195
55°	4	10
65°	2	0
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4820.3
1°	4845.5
2°	4836.5
3°	4800.6
4°	4739.5
5°	4655.2
6°	4552.8
7°	4434.3
8°	4303.3
9°	4163.2
10°	4030.4
11°	3908.3
12°	3777.3
13°	3682.1
14°	3581.6
15°	3490.0
16°	3407.5
17°	3326.6
18°	3251.2
19°	3177.6
20°	3111.2
21°	3043.0
22°	2973.0
23°	2912.0
24°	2843.7
25°	2763.0
26°	2673.2
27°	2569.1
28°	2457.7
29°	2333.9
30°	2197.4
31°	2043.0
32°	1883.3
33°	1716.3
34°	1545.7
35°	1380.6
37.5°	974.8
40°	628.3
42.5°	369.8
45°	210.1
47.5°	113.1
50°	57.5
52.5°	10.8
55°	3.6
57.5°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	1.8
67.5°	0.0
70°	0.0
72.5°	1.8
75°	0.0
77.5°	0.0
80°	1.8
82.5°	0.0
85°	0.0
87.5°	1.8
90°	0.0

(END OF REPORT)