

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: P247326

Luminaire Tested: **LSR8B80D010 EC8B80927 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80927 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6235.8 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

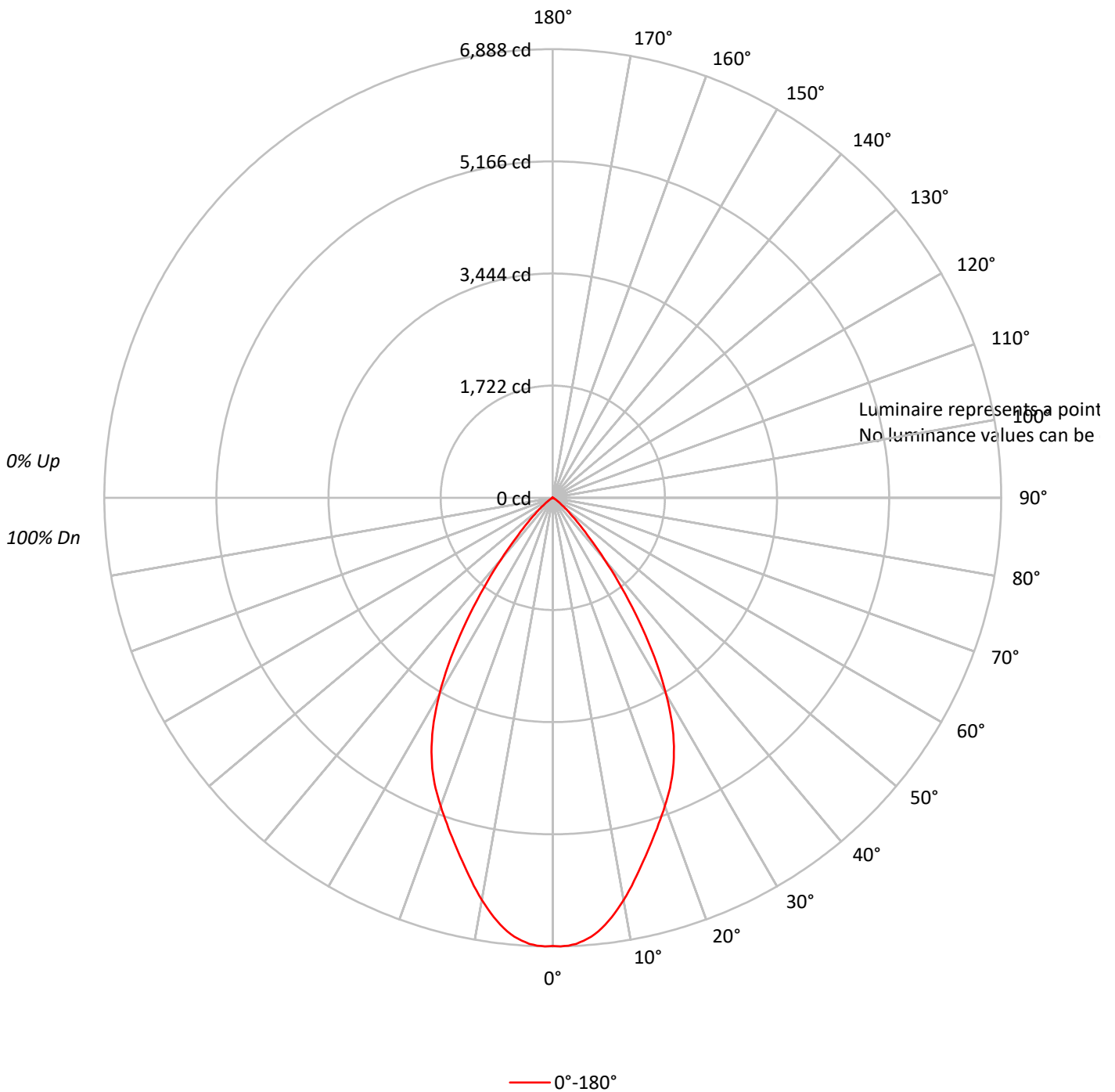
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58	54	50	49

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.5	10.1
10°-20°	1578.4	25.3
20°-30°	1992.5	32.0
30°-40°	1433.3	23.0
40°-50°	474.4	7.6
50°-60°	103.3	1.7
60°-70°	21.2	0.3
70°-80°	2.1	0.0
80°-90°	1.1	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°	4200.4	67.4
0°-40°	5633.7	90.3
0°-60°	6211.5	99.6
0°-90°	6235.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6235.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6879	
5°	6764	629
15°	5623	1578
25°	4401	1993
35°	2310	1433
45°	557	474
55°	101	103
65°	19	21
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6878.8
1°	6888.5
2°	6880.4
3°	6857.8
4°	6815.6
5°	6764.3
6°	6694.0
7°	6602.4
8°	6501.3
9°	6390.7
10°	6269.2
11°	6145.0
12°	6009.9
13°	5879.6
14°	5748.5
15°	5622.9
16°	5499.1
17°	5380.4
18°	5262.8
19°	5149.7
20°	5035.8
21°	4919.2
22°	4805.2
23°	4681.3
24°	4547.7
25°	4400.9
26°	4246.8
27°	4075.2
28°	3893.7
29°	3692.1
30°	3482.1
31°	3261.2
32°	3028.6
33°	2784.7
34°	2546.1
35°	2309.8
37.5°	1734.6
40°	1229.2
42.5°	832.7
45°	556.9
47.5°	373.6
50°	249.6
52.5°	150.8
55°	101.1
57.5°	70.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	41.7
62.5°	28.6
65°	19.1
67.5°	17.1
70°	1.6
72.5°	3.9
75°	1.6
77.5°	1.6
80°	0.0
82.5°	3.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)