

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: P247330

Luminaire Tested: **LSR8B80D010 EC8B80930 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247330
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 EC8B80930 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6573.7 lumens
Efficiency: N/A
Efficacy: 88.4 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

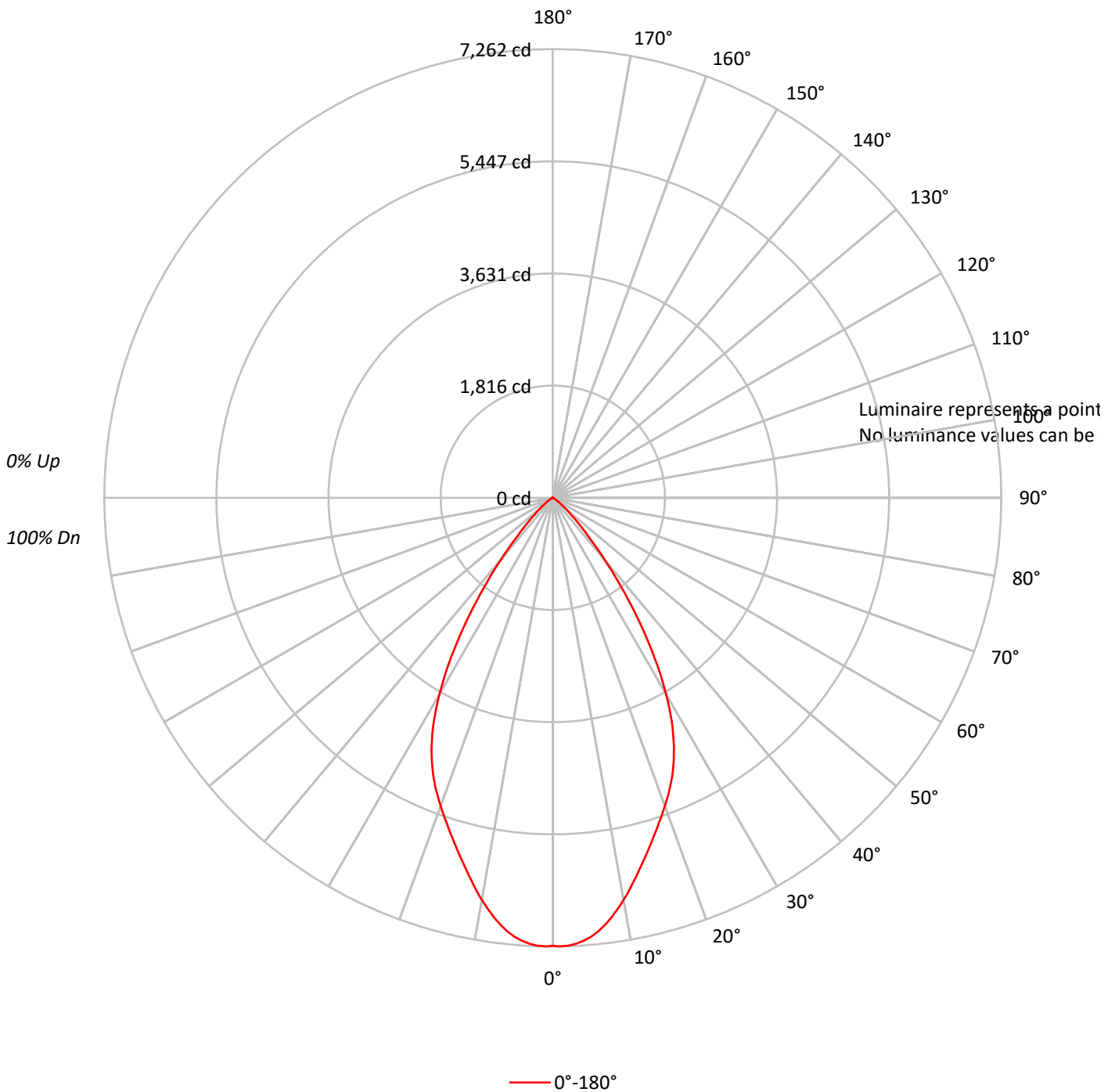
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	65	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°	663.6	10.1
10°-20°	1663.9	25.3
20°-30°	2100.4	32.0
30°-40°	1510.9	23.0
40°-50°	500.1	7.6
50°-60°	109.0	1.7
60°-70°	22.4	0.3
70°-80°	2.2	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°	4427.9	67.4
0°-40°	5938.8	90.3
0°-60°	6547.9	99.6
0°-90°	6573.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6573.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7251	
5°	7131	664
15°	5927	1664
25°	4639	2100
35°	2435	1511
45°	587	500
55°	107	109
65°	20	22
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7251.3
1°	7261.5
2°	7253.0
3°	7229.1
4°	7184.6
5°	7130.6
6°	7056.5
7°	6959.8
8°	6853.3
9°	6736.8
10°	6608.6
11°	6477.7
12°	6335.2
13°	6197.9
14°	6059.8
15°	5927.3
16°	5796.8
17°	5671.8
18°	5547.8
19°	5428.6
20°	5308.5
21°	5185.5
22°	5065.5
23°	4934.8
24°	4794.0
25°	4639.3
26°	4476.8
27°	4295.9
28°	4104.5
29°	3892.0
30°	3670.6
31°	3437.8
32°	3192.6
33°	2935.5
34°	2683.9
35°	2434.9
37.5°	1828.6
40°	1295.8
42.5°	877.9
45°	587.1
47.5°	393.8
50°	263.2
52.5°	159.0
55°	106.6
57.5°	74.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	44.1
62.5°	30.2
65°	20.2
67.5°	18.0
70°	1.7
72.5°	4.1
75°	1.7
77.5°	1.7
80°	0.0
82.5°	4.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)