

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: P250785

Luminaire Tested: **LSR8B80D010 EC8B80930 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80930 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6897.5 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

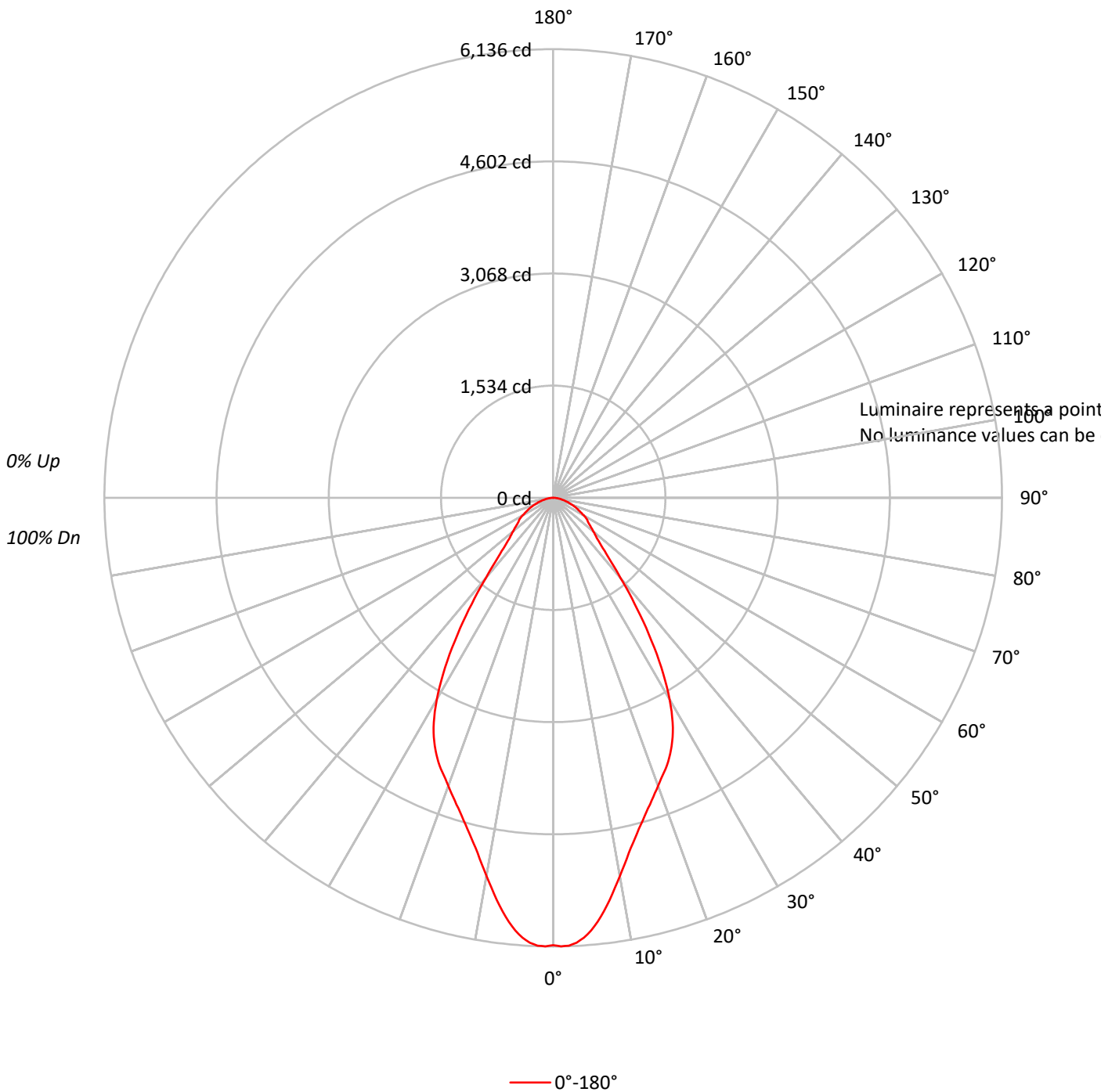
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.8	7.9
10°-20°	1305.1	18.9
20°-30°	1729.5	25.1
30°-40°	1418.2	20.6
40°-50°	755.3	11.0
50°-60°	531.6	7.7
60°-70°	366.6	5.3
70°-80°	190.9	2.8
80°-90°	56.4	0.8
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°	3578.3	51.9
0°-40°	4996.5	72.4
0°-60°	6283.5	91.1
0°-90°	6897.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6897.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6118	
5°	5941	544
15°	4628	1305
25°	3810	1729
35°	2281	1418
45°	932	755
55°	585	532
65°	367	367
75°	182	191
85°	52	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6118.4
1°	6136.5
2°	6128.4
3°	6092.5
4°	6030.6
5°	5940.9
6°	5829.1
7°	5695.4
8°	5551.6
9°	5398.1
10°	5250.4
11°	5108.6
12°	4965.0
13°	4845.3
14°	4731.5
15°	4627.7
16°	4530.0
17°	4440.2
18°	4356.3
19°	4272.6
20°	4192.7
21°	4114.9
22°	4047.0
23°	3977.2
24°	3895.4
25°	3809.5
26°	3711.7
27°	3602.0
28°	3478.2
29°	3340.6
30°	3183.0
31°	3017.3
32°	2843.8
33°	2658.1
34°	2472.5
35°	2280.9
37.5°	1827.9
40°	1432.9
42.5°	1131.5
45°	931.9
47.5°	800.3
50°	718.4
52.5°	646.6
55°	584.7
57.5°	546.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	482.9
62.5°	421.0
65°	367.2
67.5°	319.3
70°	267.4
72.5°	223.5
75°	181.6
77.5°	131.7
80°	107.7
82.5°	77.8
85°	51.9
87.5°	23.9
90°	0.0

(END OF REPORT)