

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: P250788

Luminaire Tested: **LSR8B120D010 EC8B120930 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250788
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: LSR8B120D010 EC8B120930 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: 10160.8 lumens
Efficiency: N/A
Efficacy: 85.9 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

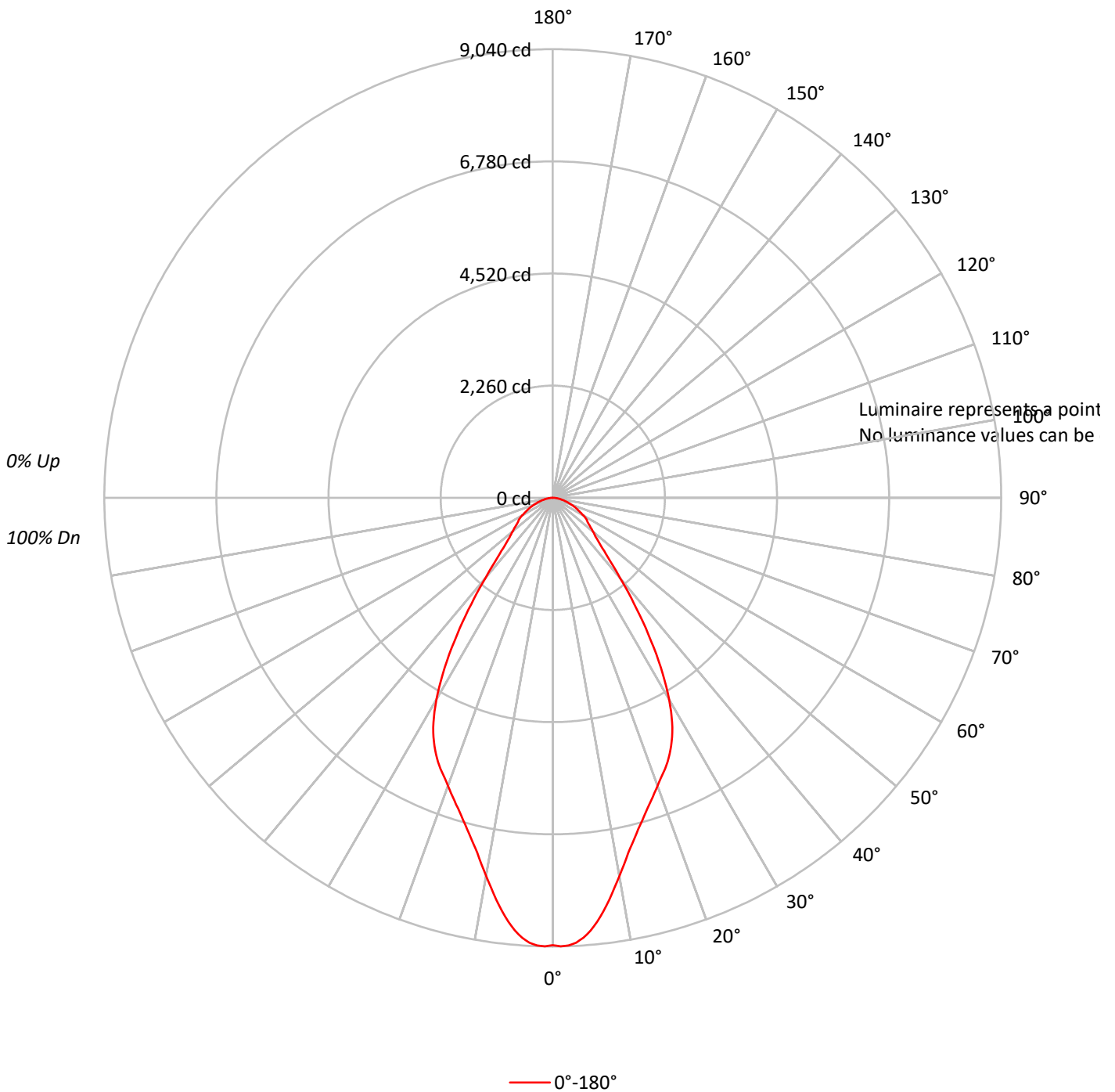
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	801.0	7.9
10°-20°	1922.5	18.9
20°-30°	2547.7	25.1
30°-40°	2089.2	20.6
40°-50°	1112.7	11.0
50°-60°	783.1	7.7
60°-70°	540.0	5.3
70°-80°	281.2	2.8
80°-90°	83.2	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°	5271.3	51.9
0°-40°	7360.5	72.4
0°-60°	9256.3	91.1
0°-90°	10160.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10160.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9013	
5°	8751	801
15°	6817	1923
25°	5612	2548
35°	3360	2089
45°	1373	1113
55°	861	783
65°	541	540
75°	268	281
85°	76	83
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9013.1
1°	9039.5
2°	9027.7
3°	8974.8
4°	8883.8
5°	8751.4
6°	8586.9
7°	8389.9
8°	8178.3
9°	7951.8
10°	7734.3
11°	7525.6
12°	7314.0
13°	7137.5
14°	6970.0
15°	6817.1
16°	6673.1
17°	6540.8
18°	6417.3
19°	6293.9
20°	6176.3
21°	6061.6
22°	5961.7
23°	5858.8
24°	5738.3
25°	5611.8
26°	5467.9
27°	5306.1
28°	5123.9
29°	4921.1
30°	4688.8
31°	4444.8
32°	4189.1
33°	3915.7
34°	3642.2
35°	3360.1
37.5°	2692.8
40°	2110.7
42.5°	1666.8
45°	1372.9
47.5°	1178.8
50°	1058.3
52.5°	952.5
55°	861.4
57.5°	805.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	711.4
62.5°	620.2
65°	540.9
67.5°	470.4
70°	393.9
72.5°	329.2
75°	267.5
77.5°	194.0
80°	158.7
82.5°	114.7
85°	76.5
87.5°	35.2
90°	0.0

(END OF REPORT)