

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: P246702

Luminaire Tested: **LSR8B10D010 EC8B10850 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10850 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1146.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

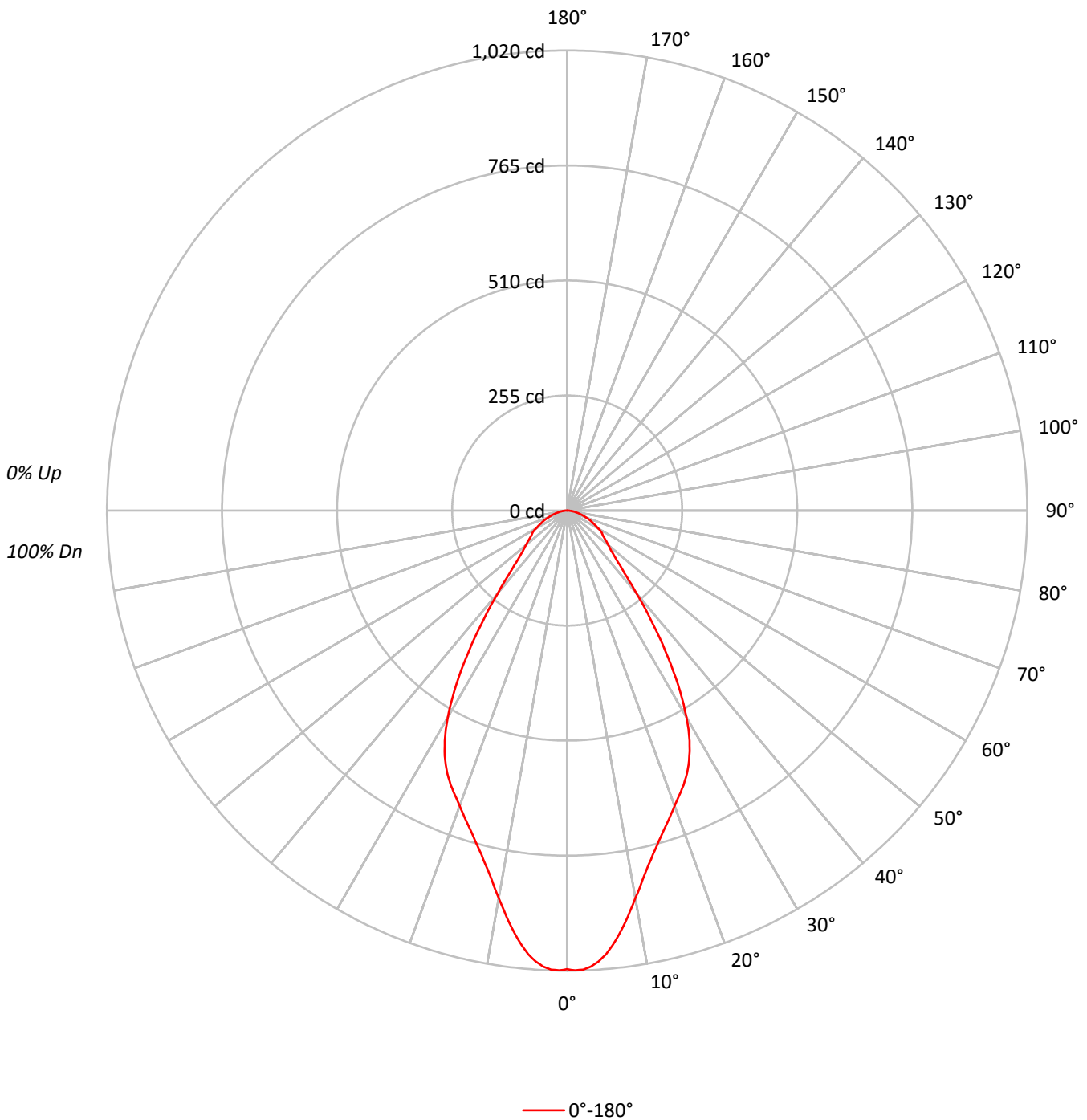
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):

	0°
0°	31348
5°	30555
10°	27313
15°	24546
20°	22859
25°	21534
30°	18829
35°	14267
40°	9580
45°	6755
50°	5728
55°	5220
60°	4946
65°	4451
70°	4003
75°	3598
80°	3179
85°	3043



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	7.9
10°-20°	216.8	18.9
20°-30°	287.3	25.1
30°-40°	235.6	20.6
40°-50°	125.5	11.0
50°-60°	88.3	7.7
60°-70°	60.9	5.3
70°-80°	31.7	2.8
80°-90°	9.4	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°	594.5	51.9
0°-40°	830.1	72.4
0°-60°	1044.0	91.1
0°-90°	1146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1017	
5°	987	90
15°	769	217
25°	633	287
35°	379	236
45°	155	126
55°	97	88
65°	61	61
75°	30	32
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1016.6
1°	1019.5
2°	1018.2
3°	1012.2
4°	1001.9
5°	987.1
6°	968.5
7°	946.2
8°	922.3
9°	896.9
10°	872.3
11°	848.8
12°	824.9
13°	805.0
14°	786.1
15°	768.9
16°	752.6
17°	737.6
18°	723.8
19°	709.9
20°	696.6
21°	683.6
22°	672.3
23°	660.8
24°	647.2
25°	632.9
26°	616.7
27°	598.4
28°	577.8
29°	555.0
30°	528.8
31°	501.3
32°	472.4
33°	441.6
34°	410.7
35°	379.0
37.5°	303.7
40°	238.0
42.5°	188.0
45°	154.9
47.5°	133.0
50°	119.4
52.5°	107.5
55°	97.1
57.5°	90.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	80.2
62.5°	70.0
65°	61.0
67.5°	53.1
70°	44.4
72.5°	37.1
75°	30.2
77.5°	21.9
80°	17.9
82.5°	12.9
85°	8.6
87.5°	4.0
90°	0.0

(END OF REPORT)