

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: P246720

Luminaire Tested: **LSR8B10D010 EC8B10935 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246720
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 EC8B10935 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 964.0 lumens
Efficiency: N/A
Efficacy: 94.5 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

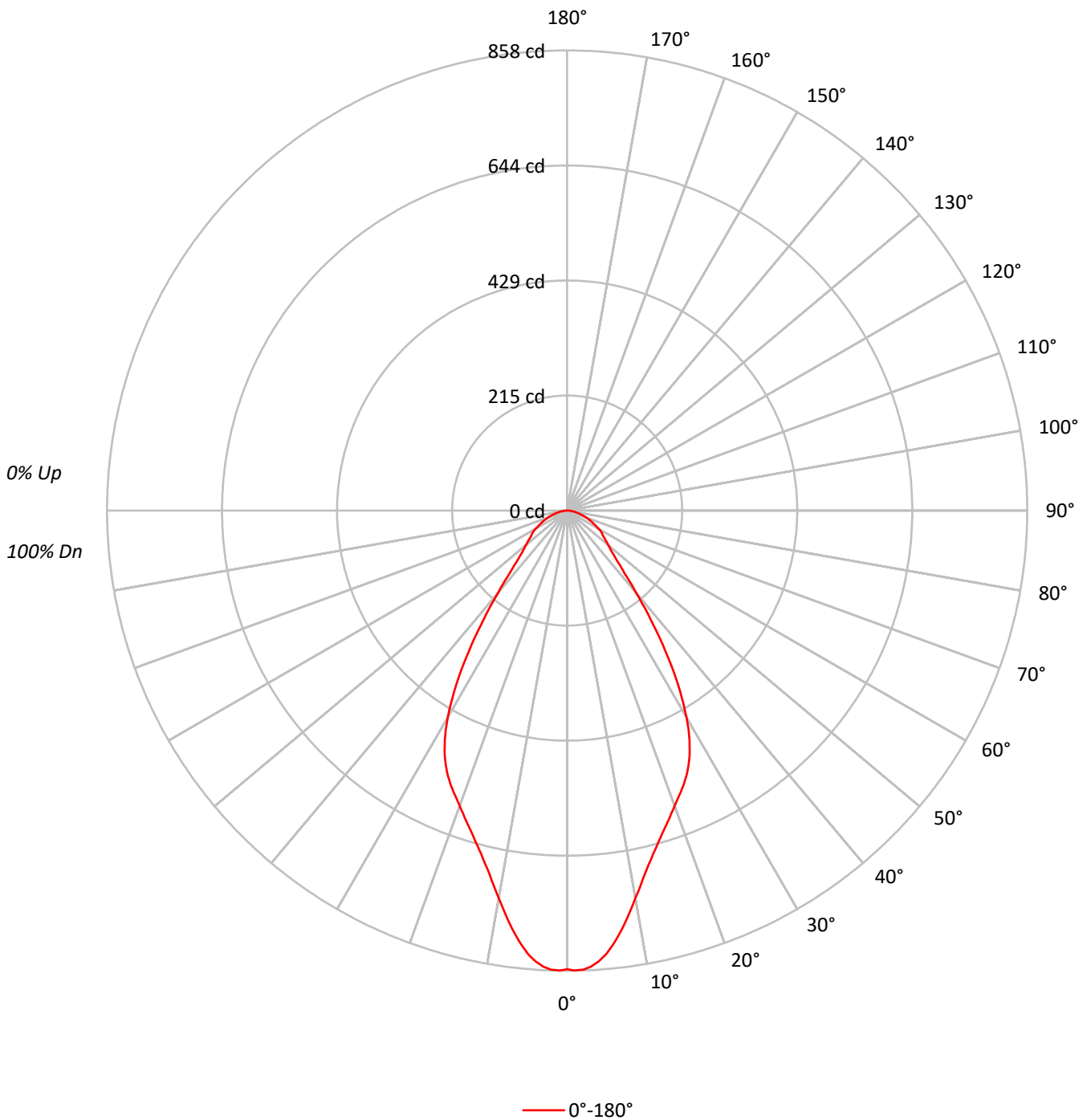
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	26371
5°	25701
10°	22977
15°	20649
20°	19230
25°	18114
30°	15838
35°	12001
40°	8059
45°	5682
50°	4816
55°	4392
60°	4163
65°	3743
70°	3372
75°	3026
80°	2664
85°	2583



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	7.9
10°-20°	182.4	18.9
20°-30°	241.7	25.1
30°-40°	198.2	20.6
40°-50°	105.6	11.0
50°-60°	74.3	7.7
60°-70°	51.2	5.3
70°-80°	26.7	2.8
80°-90°	7.9	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°	500.1	51.9
0°-40°	698.3	72.4
0°-60°	878.2	91.1
0°-90°	964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	964.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	855	
5°	830	76
15°	647	182
25°	532	242
35°	319	198
45°	130	106
55°	82	74
65°	51	51
75°	25	27
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	855.2
1°	857.6
2°	856.5
3°	851.5
4°	842.8
5°	830.3
6°	814.7
7°	796.0
8°	775.9
9°	754.5
10°	733.8
11°	714.0
12°	693.9
13°	677.2
14°	661.3
15°	646.8
16°	633.1
17°	620.5
18°	608.8
19°	597.1
20°	586.0
21°	575.1
22°	565.6
23°	555.8
24°	544.4
25°	532.4
26°	518.8
27°	503.4
28°	486.1
29°	466.9
30°	444.8
31°	421.7
32°	397.4
33°	371.5
34°	345.5
35°	318.8
37.5°	255.4
40°	200.2
42.5°	158.1
45°	130.3
47.5°	111.9
50°	100.4
52.5°	90.4
55°	81.7
57.5°	76.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	67.5
62.5°	58.9
65°	51.3
67.5°	44.6
70°	37.4
72.5°	31.2
75°	25.4
77.5°	18.4
80°	15.0
82.5°	10.9
85°	7.3
87.5°	3.4
90°	0.0

(END OF REPORT)