

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: P246732

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246732
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 EC8B10950 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1043.0 lumens
Efficiency: N/A
Efficacy: 102.3 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

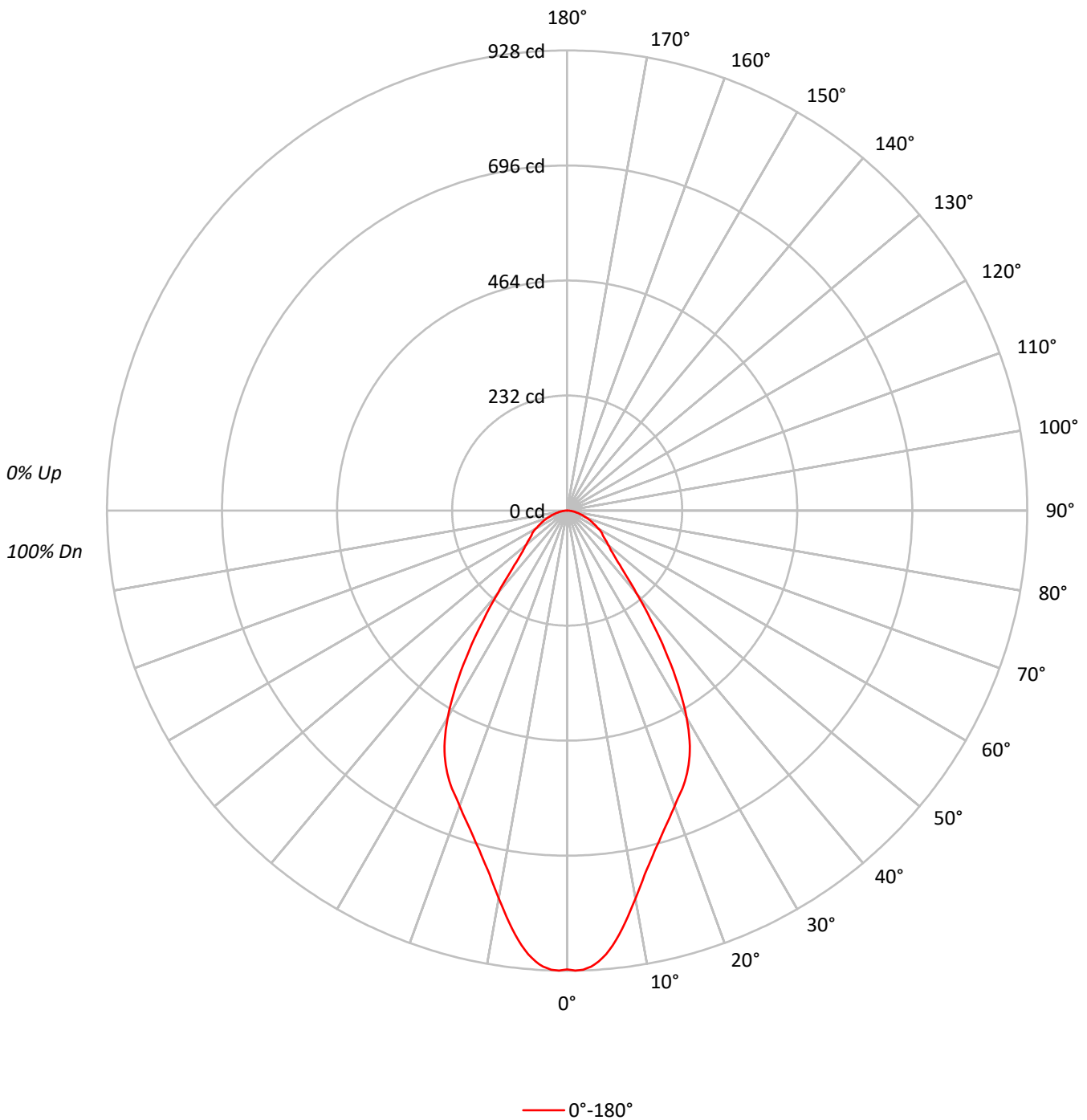
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	28530
5°	27806
10°	24859
15°	22340
20°	20805
25°	19598
30°	17138
35°	12983
40°	8719
45°	6149
50°	5215
55°	4753
60°	4502
65°	4050
70°	3642
75°	3276
80°	2895
85°	2795



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	7.9
10°-20°	197.3	18.9
20°-30°	261.5	25.1
30°-40°	214.4	20.6
40°-50°	114.2	11.0
50°-60°	80.4	7.7
60°-70°	55.4	5.3
70°-80°	28.9	2.8
80°-90°	8.6	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°	541.1	51.9
0°-40°	755.5	72.4
0°-60°	950.2	91.1
0°-90°	1043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1043.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	925	
5°	898	82
15°	700	197
25°	576	262
35°	345	214
45°	141	114
55°	88	80
65°	56	55
75°	28	29
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	925.2
1°	927.9
2°	926.7
3°	921.2
4°	911.8
5°	898.3
6°	881.5
7°	861.2
8°	839.4
9°	816.3
10°	793.9
11°	772.5
12°	750.8
13°	732.6
14°	715.5
15°	699.8
16°	685.0
17°	671.3
18°	658.7
19°	646.1
20°	634.0
21°	622.2
22°	611.9
23°	601.4
24°	589.0
25°	576.0
26°	561.3
27°	544.7
28°	525.9
29°	505.1
30°	481.3
31°	456.2
32°	430.0
33°	402.0
34°	373.8
35°	344.9
37.5°	276.4
40°	216.6
42.5°	171.1
45°	141.0
47.5°	121.0
50°	108.7
52.5°	97.8
55°	88.4
57.5°	82.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	73.0
62.5°	63.7
65°	55.5
67.5°	48.3
70°	40.4
72.5°	33.8
75°	27.5
77.5°	19.9
80°	16.3
82.5°	11.8
85°	7.9
87.5°	3.7
90°	0.0

(END OF REPORT)