

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: P250522

Luminaire Tested: **LSR8B120D010 EC8B120950 8LBM0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14005)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120950 8LBM0GPH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9950.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

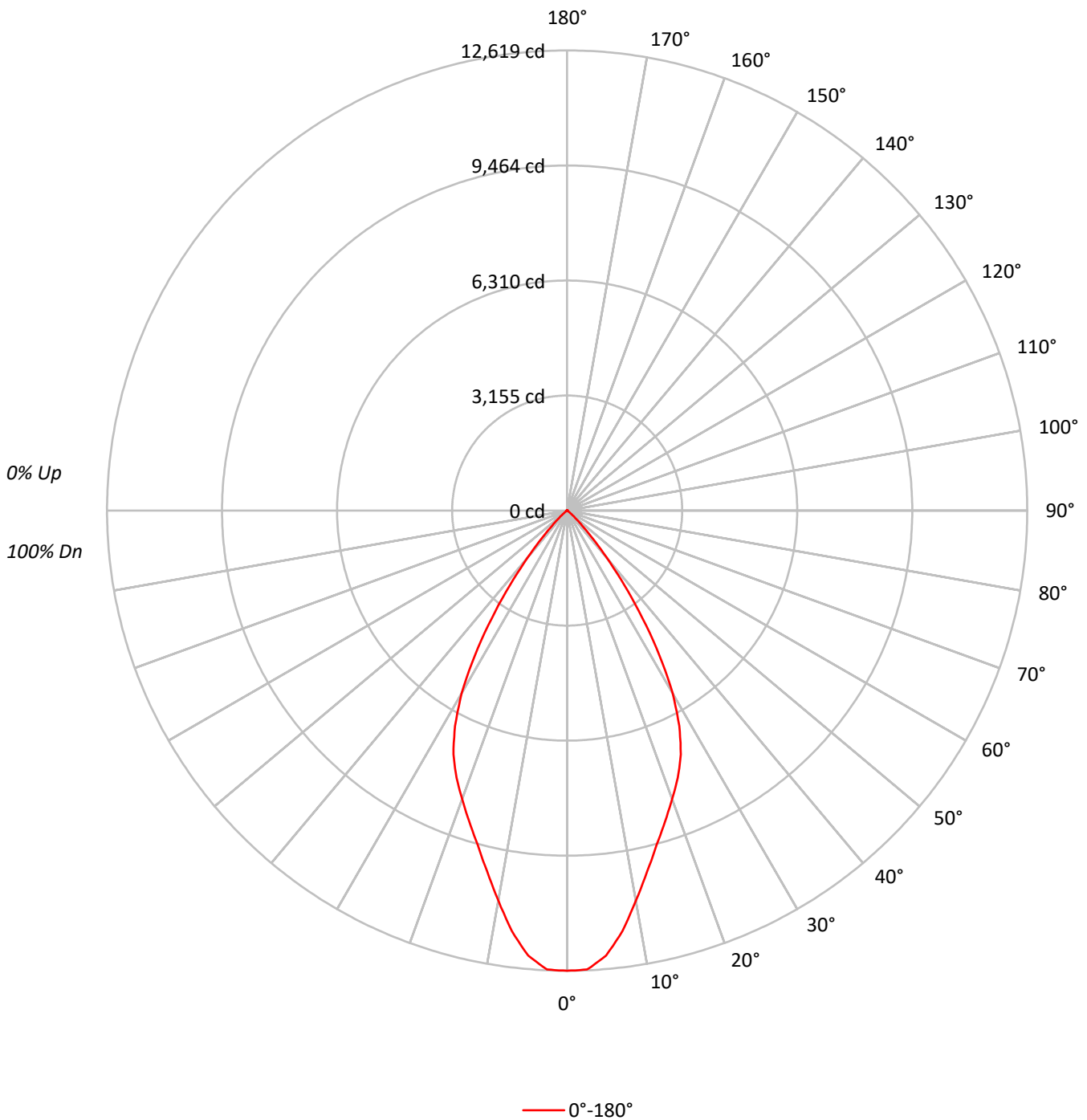
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250522

CATALOG NUMBER: LSR8B120D010 EC8B120950 8LBM0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P250522

CATALOG NUMBER: LSR8B120D010 EC8B120950 8LBM0GPH

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	82	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	389130
5°	379293
10°	340014
15°	302832
20°	276259
25°	250996
30°	205814
35°	135451
40°	67570
45°	25149
50°	7637
55°	925
60°	530
65°	0
70°	388
75°	1549
80°	0
85°	1521



TEST NUMBER: P250522

CATALOG NUMBER: LSR8B120D010 EC8B120950 8LBM0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1123.5	11.3
10°-20°	2671.2	26.8
20°-30°	3327.9	33.4
30°-40°	2244.7	22.6
40°-50°	530.8	5.3
50°-60°	38.8	0.4
60°-70°	6.9	0.1
70°-80°	5.1	0.1
80°-90°	1.2	0.0
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°	7122.5	71.6
0°-40°	9367.2	94.1
0°-60°	9936.8	99.9
0°-90°	9950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9950.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12619	
5°	12253	###
15°	9486	2671
25°	7377	3328
35°	3598	2245
45°	577	531
55°	17	39
65°	0	7
75°	13	5
85°	4	1
90°	0	



TEST NUMBER: P250522

CATALOG NUMBER: LSR8B120D010 EC8B120950 8LBM0GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	12619.2
2.5°	12597.7
5°	12253.4
7.5°	11629.3
10°	10858.9
12.5°	10131.6
15°	9486.0
17.5°	8930.7
20°	8418.6
22.5°	7927.9
25°	7377.0
27.5°	6658.3
30°	5780.2
32.5°	4717.2
35°	3598.2
37.5°	2573.8
40°	1678.6
42.5°	1002.9
45°	576.7
47.5°	322.8
50°	159.2
52.5°	73.2
55°	17.2
57.5°	4.3
60°	8.6
62.5°	13.0
65°	0.0
67.5°	8.6
70°	4.3
72.5°	4.3
75°	13.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	4.3
87.5°	0.0
90°	0.0

(END OF REPORT)