

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: P246578

Luminaire Tested: **LSR8B20D010 EC8B20935 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20935 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1896.9 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

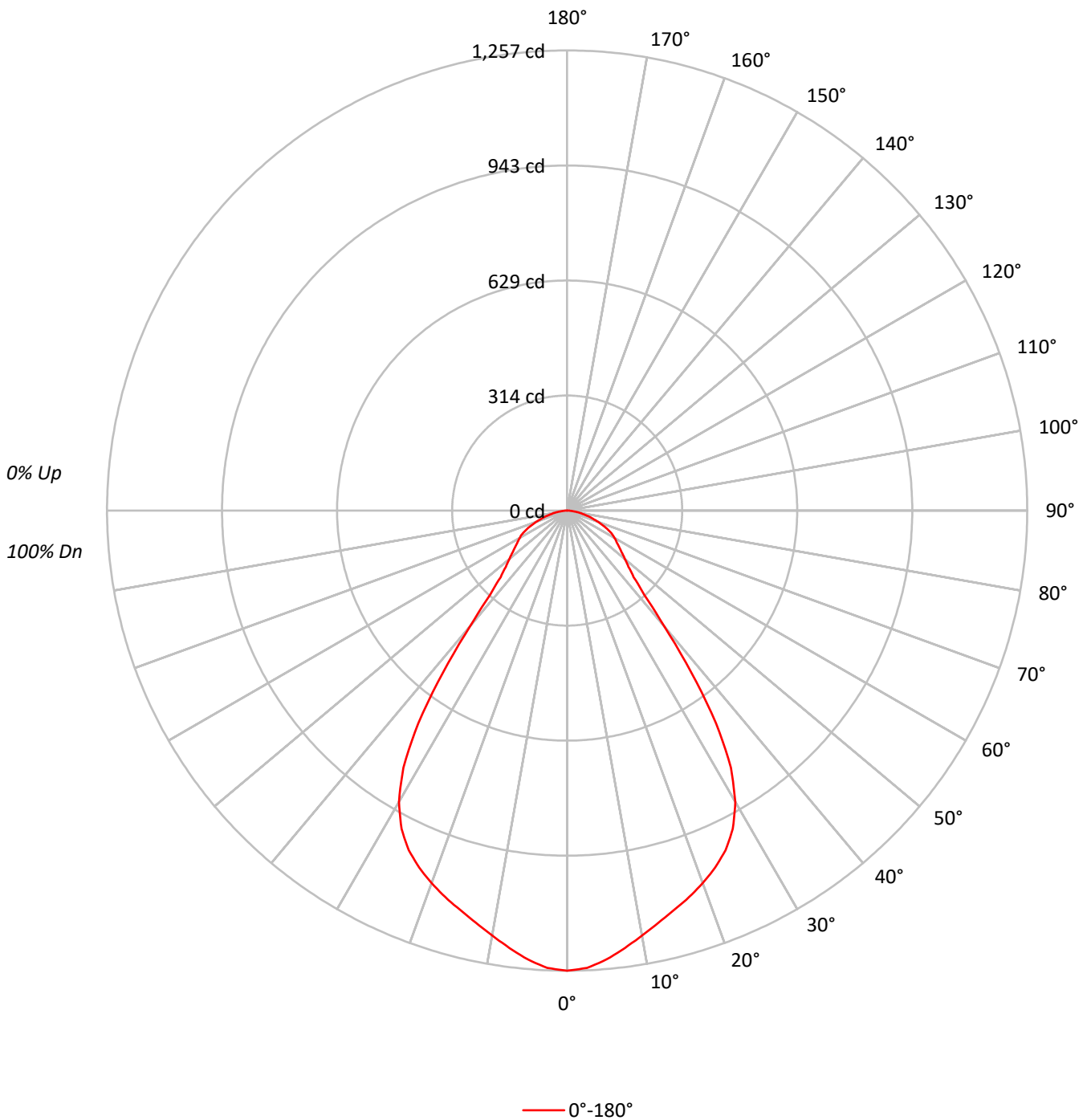
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246578

CATALOG NUMBER: LSR8B20D010 EC8B20935 8LBW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246578

CATALOG NUMBER: LSR8B20D010 EC8B20935 8LBW0MW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38758
5°	38105
10°	36907
15°	36052
20°	35539
25°	34841
30°	32715
35°	26705
40°	16540
45°	11203
50°	9873
55°	9317
60°	9239
65°	8953
70°	8024
75°	6958
80°	5878
85°	4670



TEST NUMBER: P246578

CATALOG NUMBER: LSR8B20D010 EC8B20935 8LBW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	6.1
10°-20°	319.0	16.8
20°-30°	467.8	24.7
30°-40°	427.6	22.5
40°-50°	211.7	11.2
50°-60°	156.5	8.3
60°-70°	120.3	6.3
70°-80°	62.7	3.3
80°-90°	15.6	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°	902.5	47.6
0°-40°	1330.1	70.1
0°-60°	1698.3	89.5
0°-90°	1896.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1896.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1257	
5°	1231	116
15°	1129	319
25°	1024	468
35°	709	428
45°	257	212
55°	173	157
65°	123	120
75°	58	63
85°	13	16
90°	0	



TEST NUMBER: P246578

CATALOG NUMBER: LSR8B20D010 EC8B20935 8LBW0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1256.9
2.5°	1250.3
5°	1231.0
7.5°	1205.2
10°	1178.7
12.5°	1152.8
15°	1129.3
17.5°	1107.1
20°	1083.0
22.5°	1055.9
25°	1024.0
27.5°	980.1
30°	918.8
32.5°	832.7
35°	709.4
37.5°	556.5
40°	410.9
42.5°	311.1
45°	256.9
47.5°	227.4
50°	205.8
52.5°	188.3
55°	173.3
57.5°	160.6
60°	149.8
62.5°	138.4
65°	122.7
67.5°	105.9
70°	89.0
72.5°	73.4
75°	58.4
77.5°	45.1
80°	33.1
82.5°	22.9
85°	13.2
87.5°	4.8
90°	0.0

(END OF REPORT)