

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: P246290

Luminaire Tested: **LSR8B20D010 EC8B20935 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20935 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

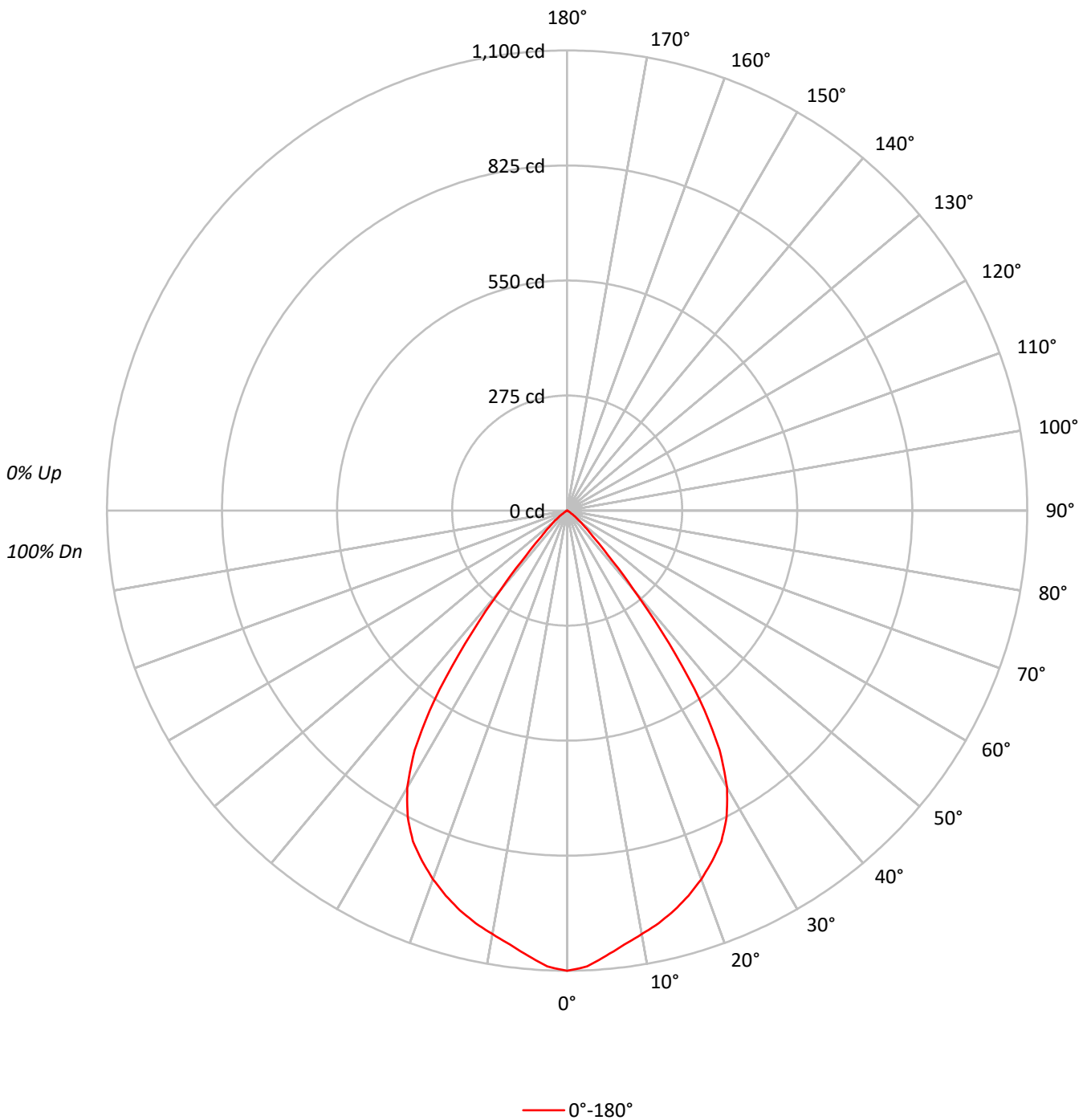
Lumens per Lamp: N/A
Luminaire Lumens: 1203.0 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P246290
CATALOG NUMBER: LSR8B20D010 EC8B20935 8LBW0B

Luminous Intensity Polar Plot





TEST NUMBER: P246290

CATALOG NUMBER: LSR8B20D010 EC8B20935 8LBW0B

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	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	84	81	80
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	74
5	91	82	76	72	89	81	76	71	80	75	71	78	74	70	76	73	70	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	65	63
7	82	72	66	61	80	71	65	61	70	64	61	69	64	60	67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	54
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51
10	70	59	53	49	68	59	53	49	58	53	49	57	52	49	57	52	49	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33923
5°	33068
10°	32189
15°	31589
20°	30768
25°	29679
30°	27228
35°	20877
40°	9935
45°	3781
50°	1847
55°	753
60°	191
65°	44
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P246290

CATALOG NUMBER: LSR8B20D010 EC8B20935 8LBW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	8.4
10°-20°	278.5	23.1
20°-30°	397.6	33.1
30°-40°	329.5	27.4
40°-50°	81.2	6.8
50°-60°	14.6	1.2
60°-70°	0.8	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	776.8	64.6
0°-40°	1106.3	92.0
0°-60°	1202.1	99.9
0°-90°	1203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1203.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1100	
5°	1068	101
15°	990	278
25°	872	398
35°	555	330
45°	87	81
55°	14	15
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P246290

CATALOG NUMBER: LSR8B20D010 EC8B20935 8LBW0B

CANDELA DISTRIBUTION (FULL):

0°	
0°	1100.1
2.5°	1090.9
5°	1068.3
7.5°	1046.3
10°	1028.0
12.5°	1010.3
15°	989.5
17.5°	965.1
20°	937.6
22.5°	906.5
25°	872.3
27.5°	825.8
30°	764.7
32.5°	678.6
35°	554.6
37.5°	400.7
40°	246.8
42.5°	143.5
45°	86.7
47.5°	57.4
50°	38.5
52.5°	25.0
55°	14.0
57.5°	6.7
60°	3.1
62.5°	1.2
65°	0.6
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)