

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: P246584

Luminaire Tested: **LSR8B20D010 EC8B20940 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246584
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 EC8B20940 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1981.0 lumens
Efficiency: N/A
Efficacy: 93.0 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

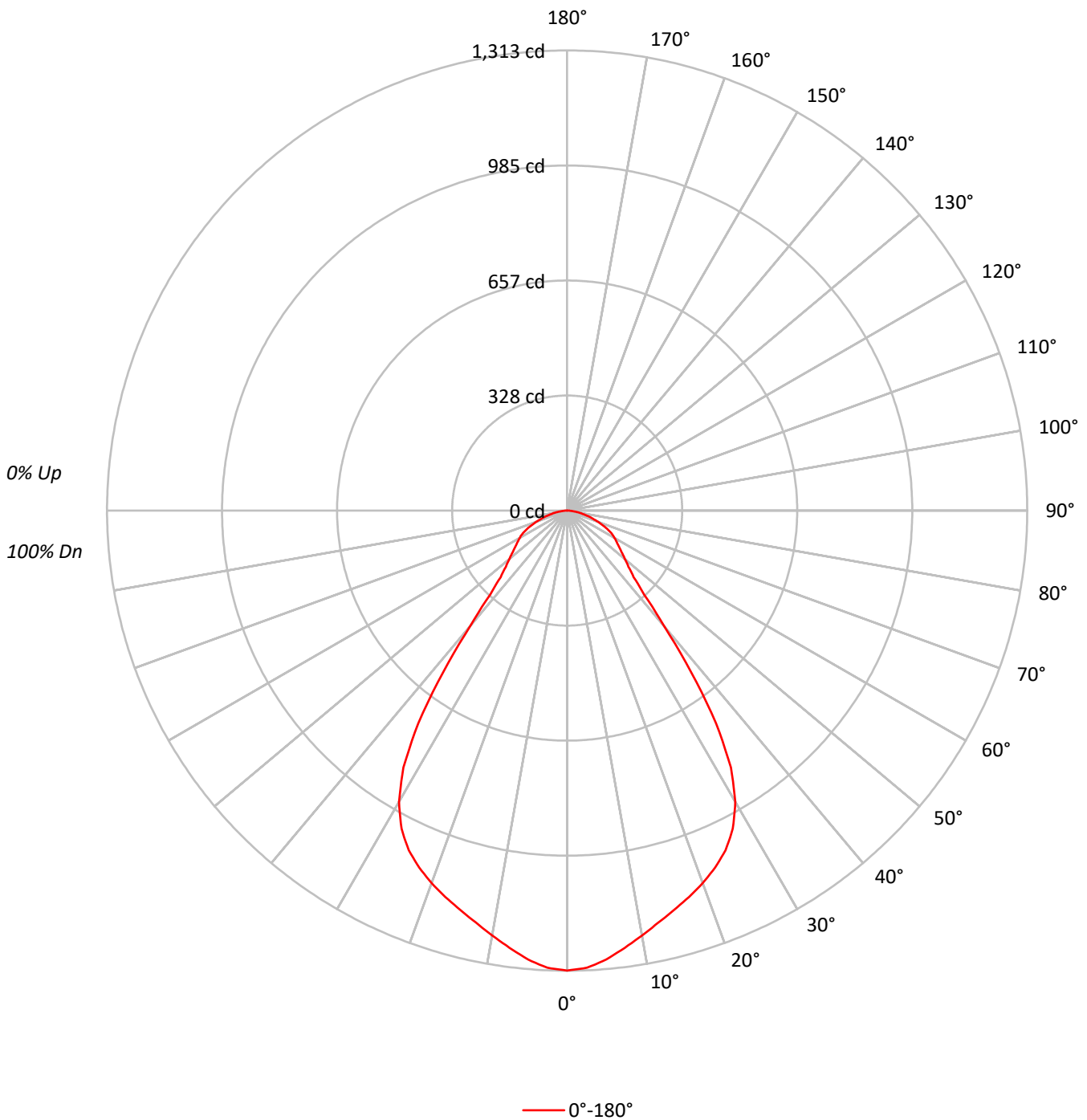
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	40476
5°	39792
10°	38542
15°	37648
20°	37114
25°	36385
30°	34161
35°	27887
40°	17273
45°	11700
50°	10309
55°	9731
60°	9652
65°	9354
70°	8385
75°	7256
80°	6144
85°	4883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	6.1
10°-20°	333.1	16.8
20°-30°	488.5	24.7
30°-40°	446.5	22.5
40°-50°	221.1	11.2
50°-60°	163.5	8.3
60°-70°	125.7	6.3
70°-80°	65.5	3.3
80°-90°	16.3	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°	942.5	47.6
0°-40°	1389.0	70.1
0°-60°	1773.6	89.5
0°-90°	1981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1981.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1313	
5°	1286	121
15°	1179	333
25°	1069	488
35°	741	447
45°	268	221
55°	181	164
65°	128	126
75°	61	65
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1312.6
2.5°	1305.6
5°	1285.5
7.5°	1258.5
10°	1230.9
12.5°	1203.9
15°	1179.3
17.5°	1156.1
20°	1131.0
22.5°	1102.7
25°	1069.4
27.5°	1023.5
30°	959.4
32.5°	869.6
35°	740.8
37.5°	581.2
40°	429.1
42.5°	324.8
45°	268.3
47.5°	237.5
50°	214.9
52.5°	196.7
55°	181.0
57.5°	167.8
60°	156.5
62.5°	144.5
65°	128.2
67.5°	110.6
70°	93.0
72.5°	76.7
75°	60.9
77.5°	47.1
80°	34.6
82.5°	23.9
85°	13.8
87.5°	5.0
90°	0.0

(END OF REPORT)