

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: P244922

Luminaire Tested: **LSR8B20D010 EC8B20935 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20935 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1989.1 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

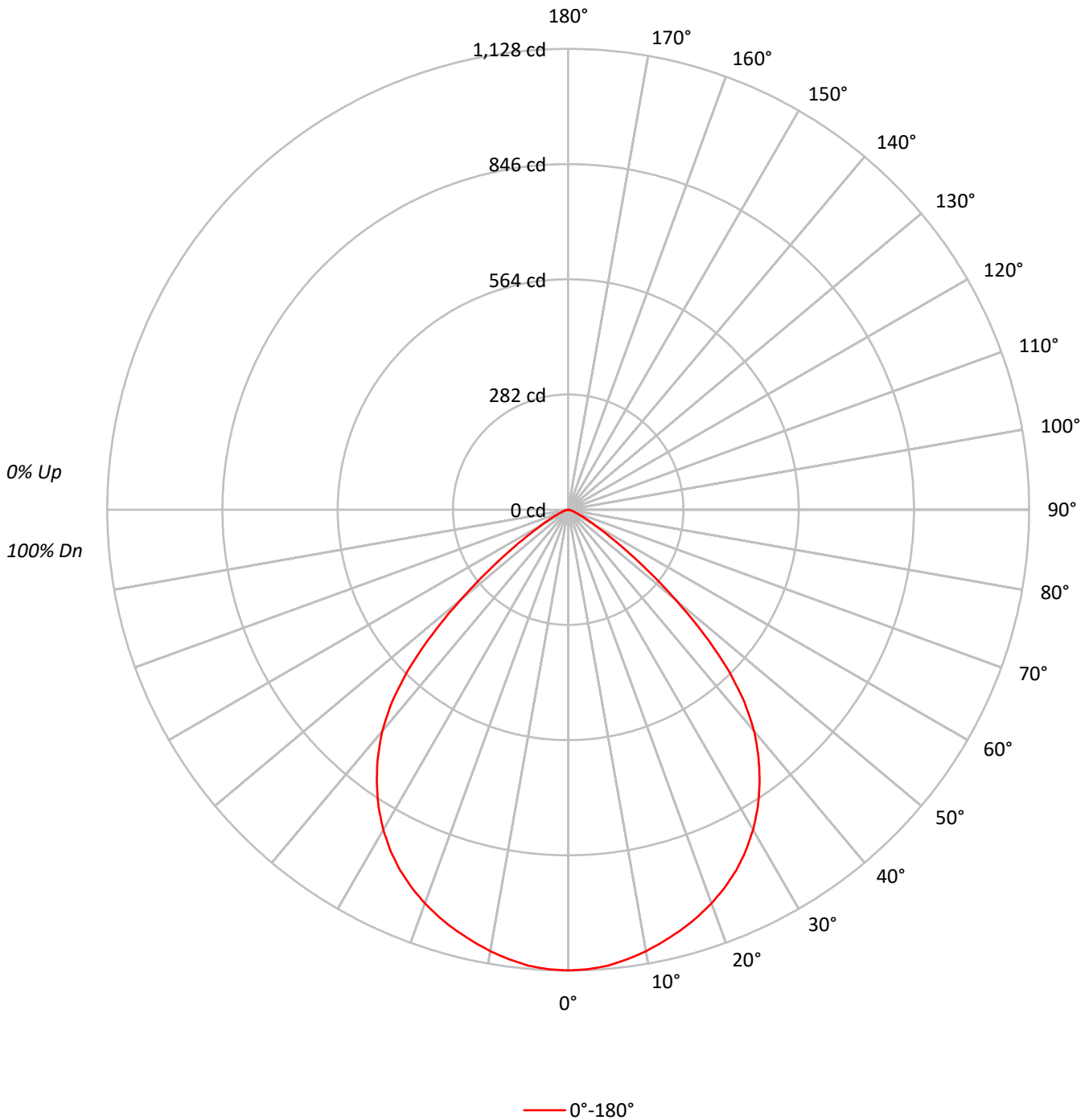
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34774
5°	34669
10°	34356
15°	34015
20°	33649
25°	33119
30°	32210
35°	30740
40°	28488
45°	24055
50°	16503
55°	9102
60°	4576
65°	2576
70°	1406
75°	1001
80°	639
85°	425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	5.3
10°-20°	300.5	15.1
20°-30°	447.4	22.5
30°-40°	508.2	25.5
40°-50°	415.4	20.9
50°-60°	162.8	8.2
60°-70°	38.0	1.9
70°-80°	9.2	0.5
80°-90°	1.5	0.1
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°	854.1	42.9
0°-40°	1362.3	68.5
0°-60°	1940.5	97.6
0°-90°	1989.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1989.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1128	
5°	1120	106
15°	1066	301
25°	973	447
35°	817	508
45°	552	415
55°	169	163
65°	35	38
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1127.7
2.5°	1125.9
5°	1120.0
7.5°	1109.8
10°	1097.2
12.5°	1081.7
15°	1065.5
17.5°	1046.4
20°	1025.4
22.5°	1000.9
25°	973.4
27.5°	941.1
30°	904.6
32.5°	863.3
35°	816.6
37.5°	765.2
40°	707.7
42.5°	638.4
45°	551.6
47.5°	449.9
50°	344.0
52.5°	247.1
55°	169.3
57.5°	110.7
60°	74.2
62.5°	50.9
65°	35.3
67.5°	23.3
70°	15.6
72.5°	10.8
75°	8.4
77.5°	6.0
80°	3.6
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)