

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: P244928

Luminaire Tested: **LSR8B20D010 EC8B20940 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244928
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 EC8B20940 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2077.0 lumens
Efficiency: N/A
Efficacy: 97.5 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

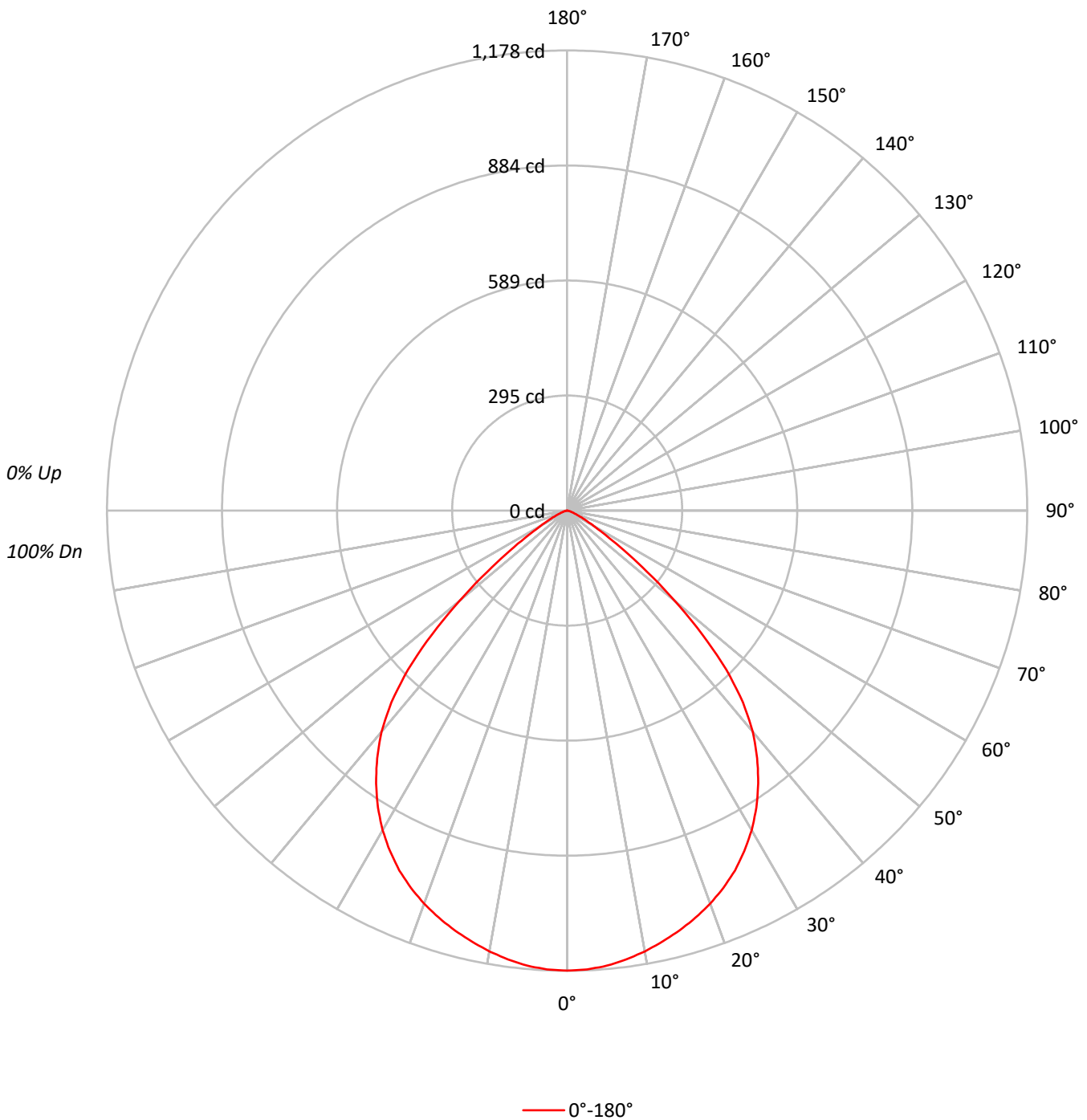
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	36313
5°	36201
10°	35877
15°	35522
20°	35139
25°	34582
30°	33634
35°	32103
40°	29752
45°	25119
50°	17232
55°	9505
60°	4780
65°	2692
70°	1461
75°	1037
80°	657
85°	425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	5.3
10°-20°	313.8	15.1
20°-30°	467.2	22.5
30°-40°	530.7	25.6
40°-50°	433.8	20.9
50°-60°	170.0	8.2
60°-70°	39.6	1.9
70°-80°	9.5	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°	891.8	42.9
0°-40°	1422.5	68.5
0°-60°	2026.3	97.6
0°-90°	2077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2077.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1178	
5°	1170	111
15°	1113	314
25°	1016	467
35°	853	531
45°	576	434
55°	177	170
65°	37	40
75°	9	9
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1177.6
2.5°	1175.8
5°	1169.5
7.5°	1158.9
10°	1145.8
12.5°	1129.5
15°	1112.7
17.5°	1092.7
20°	1070.8
22.5°	1045.2
25°	1016.4
27.5°	982.7
30°	944.6
32.5°	901.5
35°	852.8
37.5°	799.0
40°	739.1
42.5°	666.6
45°	576.0
47.5°	469.8
50°	359.2
52.5°	258.0
55°	176.8
57.5°	115.6
60°	77.5
62.5°	53.1
65°	36.9
67.5°	24.4
70°	16.2
72.5°	11.2
75°	8.7
77.5°	6.2
80°	3.7
82.5°	1.9
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)