

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: P244880

Luminaire Tested: **LSR8B20D010 EC8B20827 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244880
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 EC8B20827 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2188.0 lumens
Efficiency: N/A
Efficacy: 102.7 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

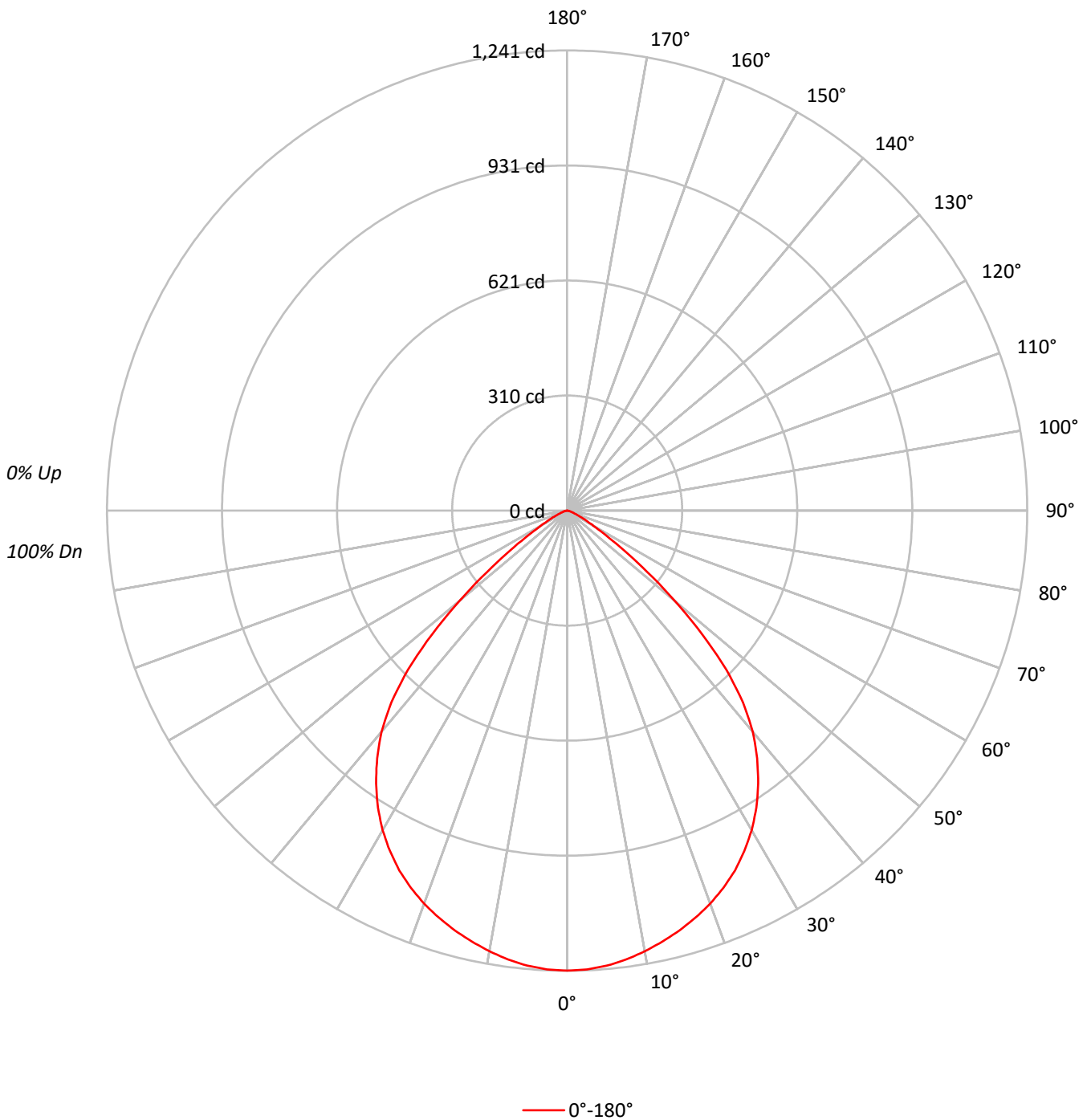
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	38256
5°	38135
10°	37794
15°	37418
20°	37016
25°	36433
30°	35432
35°	33816
40°	31342
45°	26462
50°	18153
55°	10010
60°	5032
65°	2831
70°	1542
75°	1096
80°	693
85°	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	5.3
10°-20°	330.6	15.1
20°-30°	492.1	22.5
30°-40°	559.1	25.6
40°-50°	457.0	20.9
50°-60°	179.1	8.2
60°-70°	41.7	1.9
70°-80°	10.0	0.5
80°-90°	1.6	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°	939.5	42.9
0°-40°	1498.6	68.5
0°-60°	2134.6	97.6
0°-90°	2188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2188.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1241	
5°	1232	117
15°	1172	331
25°	1071	492
35°	898	559
45°	607	457
55°	186	179
65°	39	42
75°	9	10
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1240.6
2.5°	1238.6
5°	1232.0
7.5°	1220.8
10°	1207.0
12.5°	1189.9
15°	1172.1
17.5°	1151.1
20°	1128.0
22.5°	1101.0
25°	1070.8
27.5°	1035.2
30°	995.1
32.5°	949.7
35°	898.3
37.5°	841.7
40°	778.6
42.5°	702.2
45°	606.8
47.5°	494.9
50°	378.4
52.5°	271.8
55°	186.2
57.5°	121.8
60°	81.6
62.5°	55.9
65°	38.8
67.5°	25.7
70°	17.1
72.5°	11.8
75°	9.2
77.5°	6.6
80°	3.9
82.5°	2.0
85°	1.3
87.5°	0.7
90°	0.0

(END OF REPORT)