

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: P244058

Luminaire Tested: **LSR8B20D010 EC8B20935 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20935 8LBS0LI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2091.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

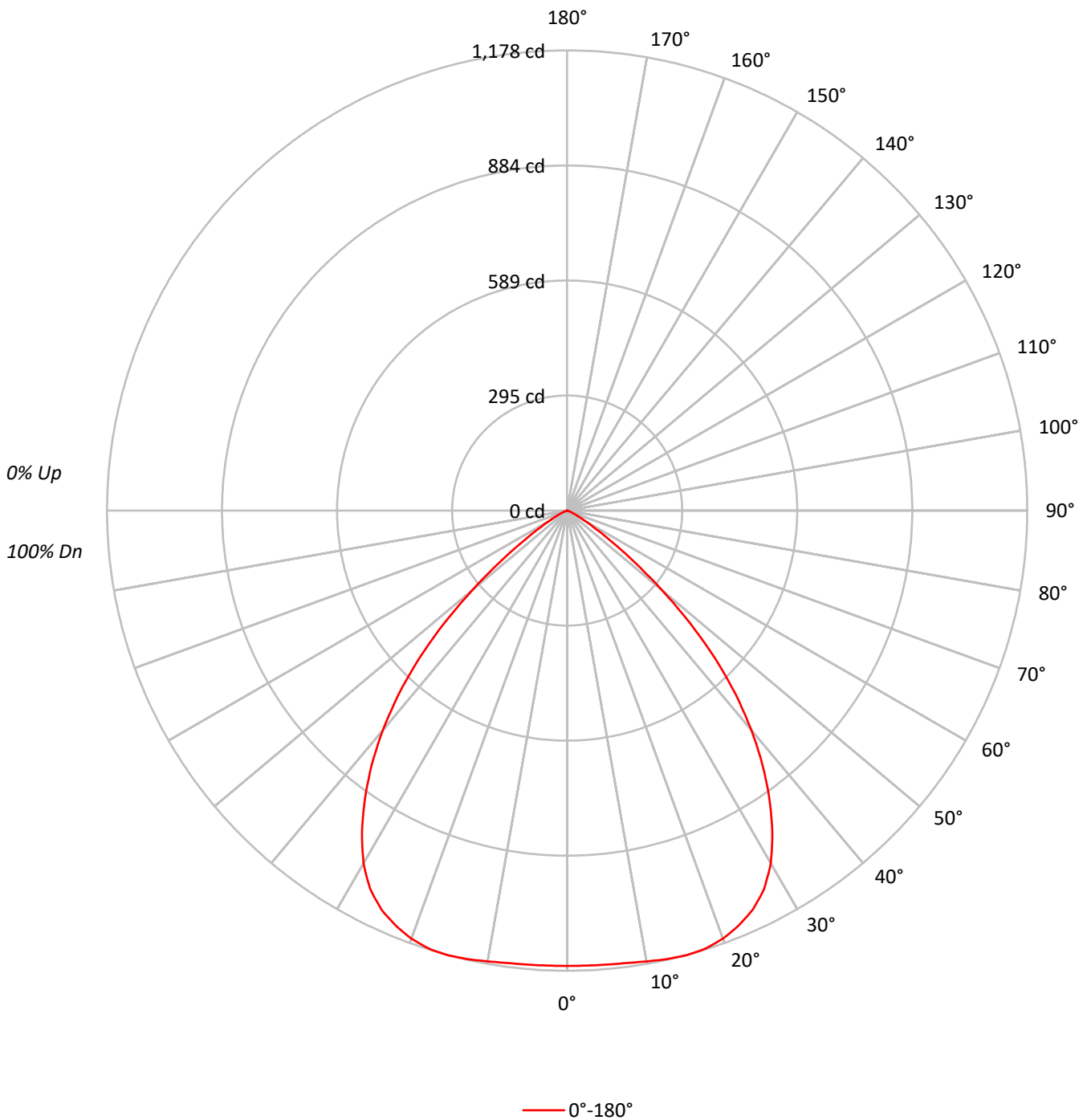
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88		91	88	86		88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56		66	60	56		64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47		56	51	46		55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39		49	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35949
5°	36105
10°	36691
15°	37619
20°	38276
25°	38321
30°	37134
35°	34000
40°	29550
45°	23379
50°	15164
55°	7575
60°	3182
65°	1401
70°	433
75°	214
80°	213
85°	212



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	5.3
10°-20°	333.0	15.9
20°-30°	515.9	24.7
30°-40°	560.2	26.8
40°-50°	407.1	19.5
50°-60°	138.4	6.6
60°-70°	22.0	1.1
70°-80°	2.4	0.1
80°-90°	0.5	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°	960.4	45.9
0°-40°	1520.6	72.7
0°-60°	2066.1	98.8
0°-90°	2091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2091.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1166	
5°	1166	112
15°	1178	333
25°	1126	516
35°	903	560
45°	536	407
55°	141	138
65°	19	22
75°	2	2
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1165.8
2.5°	1165.8
5°	1166.4
7.5°	1168.2
10°	1171.8
12.5°	1176.0
15°	1178.4
17.5°	1176.0
20°	1166.4
22.5°	1149.1
25°	1126.3
27.5°	1092.1
30°	1042.9
32.5°	977.5
35°	903.2
37.5°	822.2
40°	734.1
42.5°	638.7
45°	536.1
47.5°	425.8
50°	316.1
52.5°	216.5
55°	140.9
57.5°	85.8
60°	51.6
62.5°	31.8
65°	19.2
67.5°	10.8
70°	4.8
72.5°	3.0
75°	1.8
77.5°	1.2
80°	1.2
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)