

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: P244082

Luminaire Tested: **LD8B20D010 ER8B20930 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244082
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: LD8B20D010 ER8B20930 8LBSOLI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2024.5 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

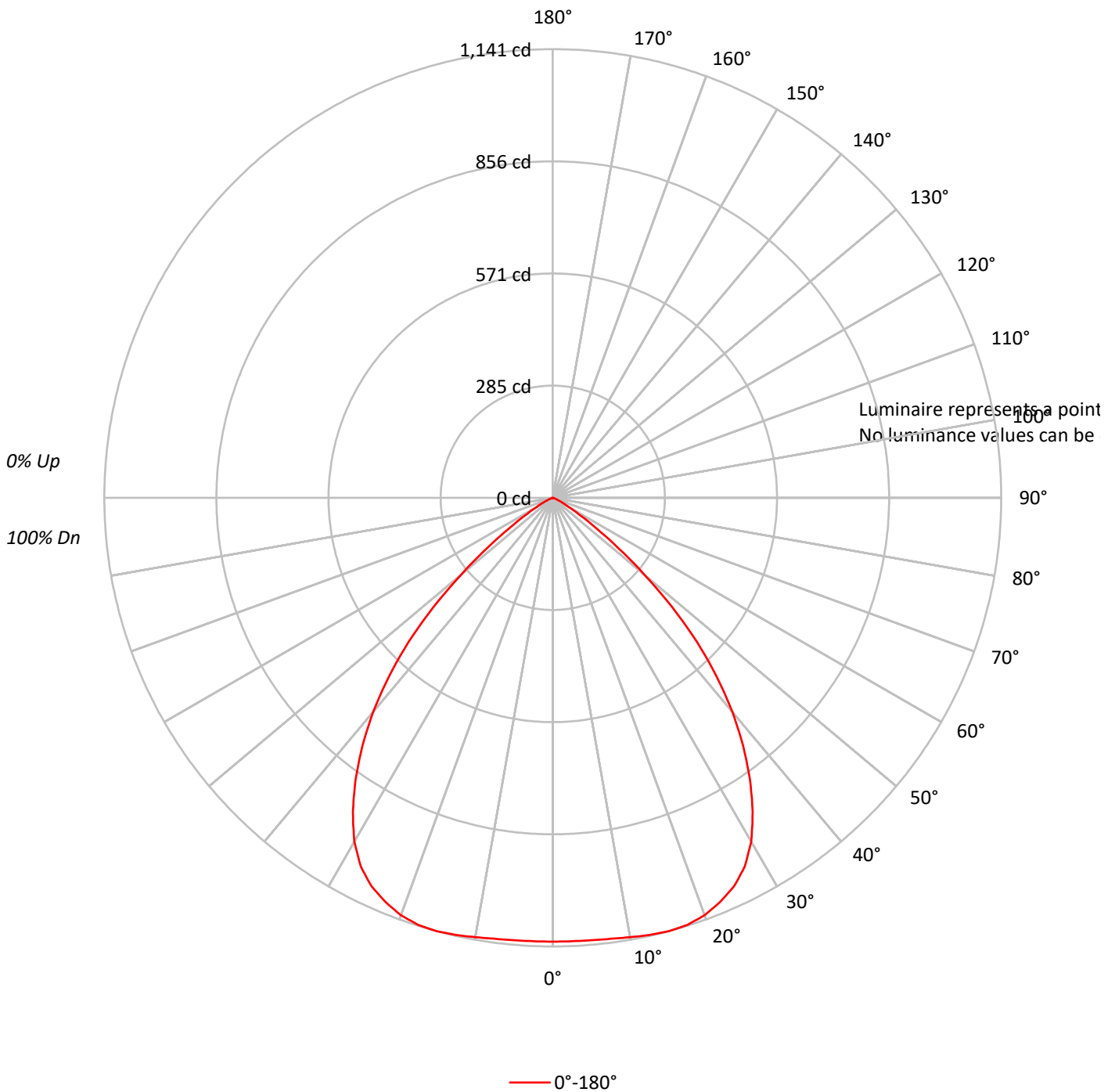
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244082

CATALOG NUMBER: LD8B20D010 ER8B20930 8LBSOLI

Luminous Intensity Polar Plot





TEST NUMBER: P244082

CATALOG NUMBER: LD8B20D010 ER8B20930 8LBSOLI

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):





TEST NUMBER: P244082

CATALOG NUMBER: LD8B20D010 ER8B20930 8LBSOLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	5.3
10°-20°	322.4	15.9
20°-30°	499.5	24.7
30°-40°	542.4	26.8
40°-50°	394.2	19.5
50°-60°	134.0	6.6
60°-70°	21.3	1.1
70°-80°	2.3	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°	929.9	45.9
0°-40°	1472.3	72.7
0°-60°	2000.4	98.8
0°-90°	2024.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2024.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1129	
5°	1129	108
15°	1141	322
25°	1090	499
35°	874	542
45°	519	394
55°	136	134
65°	19	21
75°	2	2
85°	1	0
90°	0	



TEST NUMBER: P244082

CATALOG NUMBER: LD8B20D010 ER8B20930 8LBSOLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1128.7
2.5°	1128.7
5°	1129.4
7.5°	1131.1
10°	1134.6
12.5°	1138.7
15°	1141.0
17.5°	1138.7
20°	1129.4
22.5°	1112.5
25°	1090.5
27.5°	1057.3
30°	1009.8
32.5°	946.5
35°	874.5
37.5°	796.0
40°	710.7
42.5°	618.3
45°	519.1
47.5°	412.3
50°	306.0
52.5°	209.6
55°	136.4
57.5°	83.1
60°	49.9
62.5°	30.8
65°	18.6
67.5°	10.4
70°	4.6
72.5°	2.9
75°	1.8
77.5°	1.1
80°	1.1
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)