

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: P244085

Luminaire Tested: **LSR8B50D010 EC8B50930 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244085  
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: LSR8B50D010 EC8B50930 8LBS0LI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5125.2 lumens  
Efficiency: N/A  
Efficacy: 96.7 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

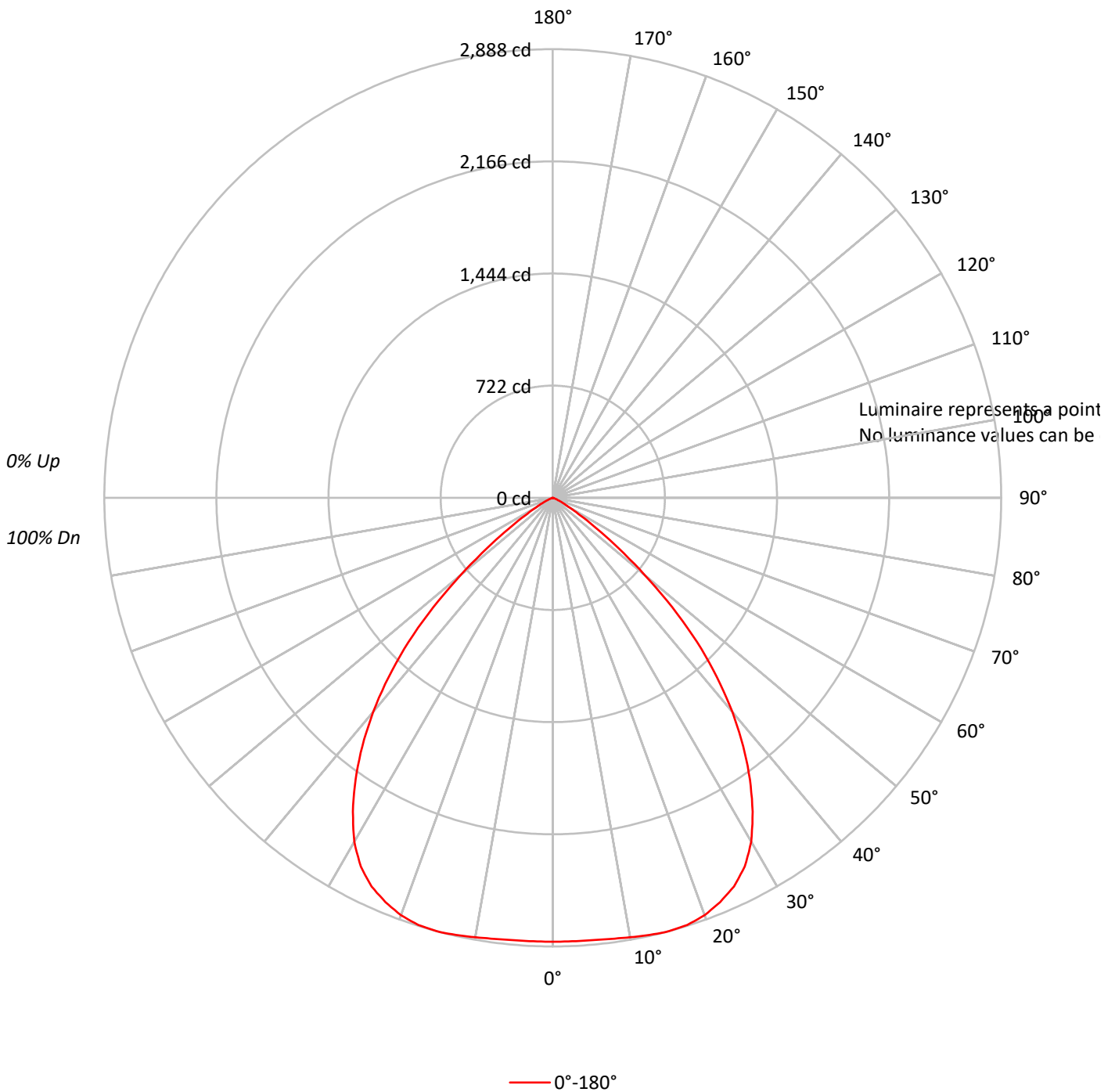
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244085

CATALOG NUMBER: LSR8B50D010 EC8B50930 8LBSOLI

### Luminous Intensity Polar Plot





TEST NUMBER: P244085

CATALOG NUMBER: LSR8B50D010 EC8B50930 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: P244085

CATALOG NUMBER: LSR8B50D010 EC8B50930 8LBS0LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.3	5.3
10°-20°	816.2	15.9
20°-30°	1264.4	24.7
30°-40°	1373.2	26.8
40°-50°	997.9	19.5
50°-60°	339.2	6.6
60°-70°	54.0	1.1
70°-80°	5.8	0.1
80°-90°	1.2	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°	2354.0	45.9
0°-40°	3727.2	72.7
0°-60°	5064.2	98.8
0°-90°	5125.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5125.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2858	
5°	2859	273
15°	2888	816
25°	2761	1264
35°	2214	1373
45°	1314	998
55°	346	339
65°	47	54
75°	4	6
85°	2	1
90°	0	



TEST NUMBER: P244085

CATALOG NUMBER: LSR8B50D010 EC8B50930 8LBS0LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2857.5
2.5°	2857.5
5°	2859.1
7.5°	2863.5
10°	2872.3
12.5°	2882.5
15°	2888.5
17.5°	2882.5
20°	2859.1
22.5°	2816.4
25°	2760.6
27.5°	2676.8
30°	2556.2
32.5°	2396.0
35°	2213.8
37.5°	2015.3
40°	1799.2
42.5°	1565.5
45°	1314.1
47.5°	1043.7
50°	774.6
52.5°	530.7
55°	345.5
57.5°	210.2
60°	126.4
62.5°	77.9
65°	47.1
67.5°	26.5
70°	11.8
72.5°	7.4
75°	4.4
77.5°	2.9
80°	2.9
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)