

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: P244084

Luminaire Tested: **LSR8B40D010 EC8B40930 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244084  
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: LSR8B40D010 EC8B40930 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: 4096.1 lumens  
Efficiency: N/A  
Efficacy: 100.1 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

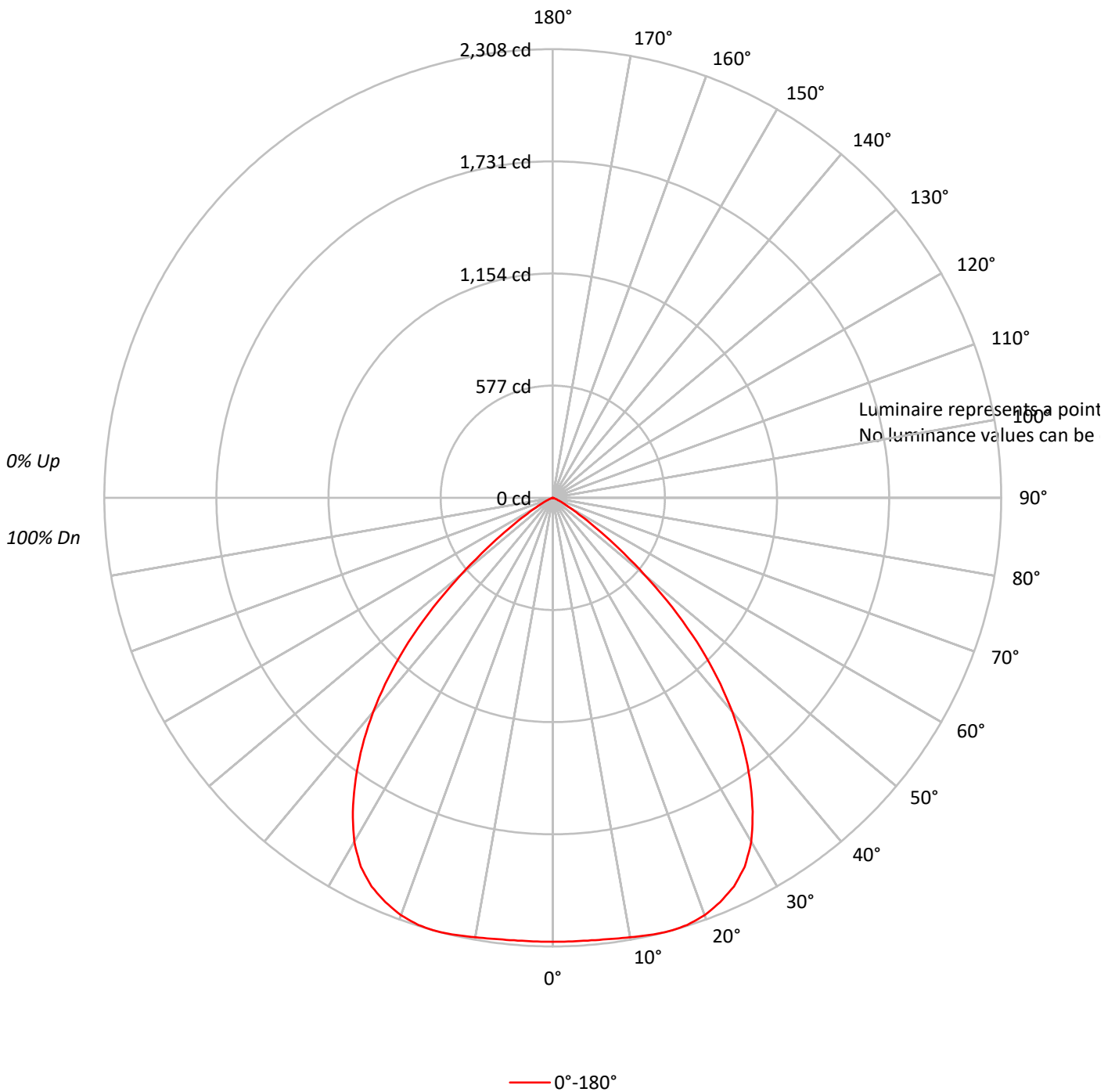
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244084

CATALOG NUMBER: LSR8B40D010 EC8B40930 8LBSOLI

### Luminous Intensity Polar Plot





TEST NUMBER: P244084

CATALOG NUMBER: LSR8B40D010 EC8B40930 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: P244084

CATALOG NUMBER: LSR8B40D010 EC8B40930 8LBS0LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.4	5.3
10°-20°	652.3	15.9
20°-30°	1010.6	24.7
30°-40°	1097.5	26.8
40°-50°	797.5	19.5
50°-60°	271.0	6.6
60°-70°	43.2	1.1
70°-80°	4.6	0.1
80°-90°	0.9	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°	1881.3	45.9
0°-40°	2978.8	72.7
0°-60°	4047.4	98.8
0°-90°	4096.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4096.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2284	
5°	2285	218
15°	2308	652
25°	2206	1011
35°	1769	1097
45°	1050	797
55°	276	271
65°	38	43
75°	4	5
85°	1	1
90°	0	



TEST NUMBER: P244084

CATALOG NUMBER: LSR8B40D010 EC8B40930 8LBSOLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2283.8
2.5°	2283.8
5°	2285.0
7.5°	2288.5
10°	2295.6
12.5°	2303.8
15°	2308.5
17.5°	2303.8
20°	2285.0
22.5°	2251.0
25°	2206.2
27.5°	2139.3
30°	2043.0
32.5°	1914.9
35°	1769.3
37.5°	1610.7
40°	1437.9
42.5°	1251.1
45°	1050.3
47.5°	834.1
50°	619.1
52.5°	424.1
55°	276.1
57.5°	168.0
60°	101.0
62.5°	62.2
65°	37.6
67.5°	21.2
70°	9.4
72.5°	5.8
75°	3.5
77.5°	2.4
80°	2.4
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)