

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: P247753

Luminaire Tested: **LSR8B120D010 EC8B120940 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B120D010 EC8B120940 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12157.0 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

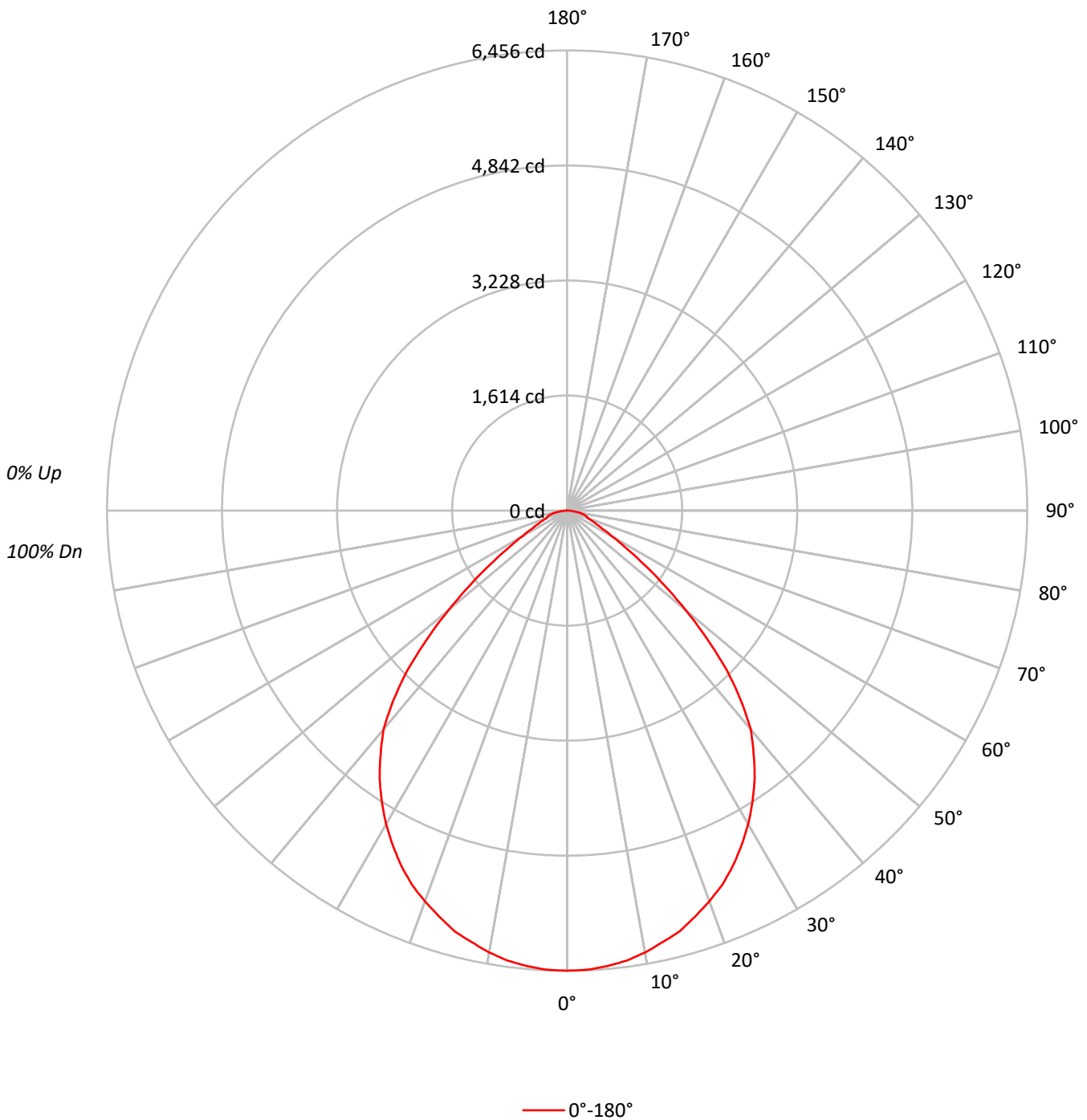
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P247753

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBS0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P247753

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBS0MW

**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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	199064
5°	198564
10°	197081
15°	195028
20°	191431
25°	187187
30°	180896
35°	172678
40°	161249
45°	138128
50°	103861
55°	70401
60°	45798
65°	33600
70°	27445
75°	31108
80°	32621
85°	26465



TEST NUMBER: P247753

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBS0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	608.7	5.0
10°-20°	1718.5	14.1
20°-30°	2528.3	20.8
30°-40°	2855.7	23.5
40°-50°	2405.0	19.8
50°-60°	1213.4	10.0
60°-70°	475.3	3.9
70°-80°	268.4	2.2
80°-90°	83.5	0.7
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°	4855.6	39.9
0°-40°	7711.3	63.4
0°-60°	11329.7	93.2
0°-90°	12157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12157.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6456	
5°	6415	609
15°	6109	1719
25°	5502	2528
35°	4587	2856
45°	3167	2405
55°	1310	1213
65°	460	475
75°	261	268
85°	75	84
90°	0	



TEST NUMBER: P247753

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBS0MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6455.5
2.5°	6448.9
5°	6414.8
7.5°	6370.2
10°	6294.1
12.5°	6199.6
15°	6109.1
17.5°	5971.3
20°	5833.6
22.5°	5684.0
25°	5501.6
27.5°	5295.6
30°	5080.4
32.5°	4839.0
35°	4587.1
37.5°	4298.4
40°	4005.8
42.5°	3606.9
45°	3167.4
47.5°	2663.5
50°	2165.0
52.5°	1714.9
55°	1309.5
57.5°	986.7
60°	742.6
62.5°	566.8
65°	460.5
67.5°	375.3
70°	304.4
72.5°	293.9
75°	261.1
77.5°	217.8
80°	183.7
82.5°	116.8
85°	74.8
87.5°	23.6
90°	0.0

(END OF REPORT)