

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: P247054

Luminaire Tested: **LSR8B80D010 EC8B80835 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B80D010 EC8B80835 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8915.0 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

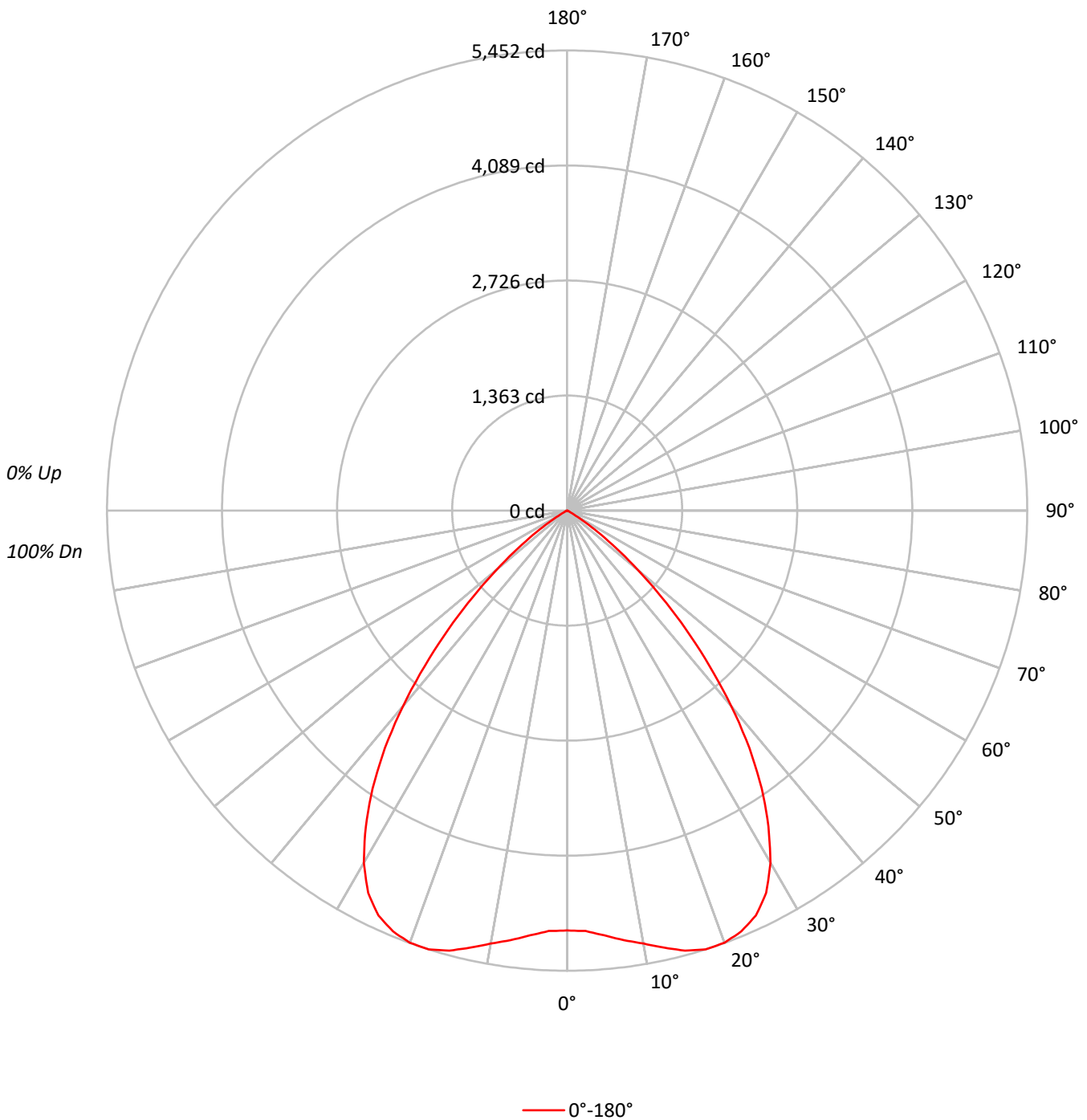
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P247054

CATALOG NUMBER: LSR8B80D010 EC8B80835 8LBW0LI

### Luminous Intensity Polar Plot





TEST NUMBER: P247054

CATALOG NUMBER: LSR8B80D010 EC8B80835 8LBW0LI

**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	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					100			
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92					92			
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75					75			
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68					68			
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62					62			
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56					56			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51					51			
8	72	61	54	49	71	60	54	49	59	53	49	58	52	48	57	52	48	47					47			
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43					43			
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39					39			

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

	0°
0°	153404
5°	156396
10°	163104
15°	172320
20°	178778
25°	180076
30°	171564
35°	151330
40°	121994
45°	86612
50°	52050
55°	23451
60°	6044
65°	1306
70°	640
75°	429
80°	213
85°	0



TEST NUMBER: P247054

CATALOG NUMBER: LSR8B80D010 EC8B80835 8LBW0LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	487.4	5.5
10°-20°	1526.1	17.1
20°-30°	2413.4	27.1
30°-40°	2479.8	27.8
40°-50°	1538.3	17.3
50°-60°	436.1	4.9
60°-70°	29.4	0.3
70°-80°	3.9	0.0
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°	4426.9	49.7
0°-40°	6906.7	77.5
0°-60°	8881.1	99.6
0°-90°	8915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8915.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4975	
5°	5052	487
15°	5398	1526
25°	5293	2413
35°	4020	2480
45°	1986	1538
55°	436	436
65°	18	29
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P247054

CATALOG NUMBER: LSR8B80D010 EC8B80835 8LBW0LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4974.8
2.5°	4984.3
5°	5052.5
7.5°	5132.5
10°	5209.0
12.5°	5303.4
15°	5397.8
17.5°	5451.5
20°	5448.0
22.5°	5395.4
25°	5292.6
27.5°	5106.2
30°	4818.3
32.5°	4439.4
35°	4020.0
37.5°	3545.6
40°	3030.6
42.5°	2495.1
45°	1986.1
47.5°	1512.9
50°	1085.0
52.5°	730.2
55°	436.2
57.5°	224.7
60°	98.0
62.5°	39.5
65°	17.9
67.5°	10.7
70°	7.1
72.5°	4.8
75°	3.6
77.5°	2.4
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)