

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: P244279

Luminaire Tested: **LSR8B15D010 EC8B15940 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B15D010 EC8B15940 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1367.0 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

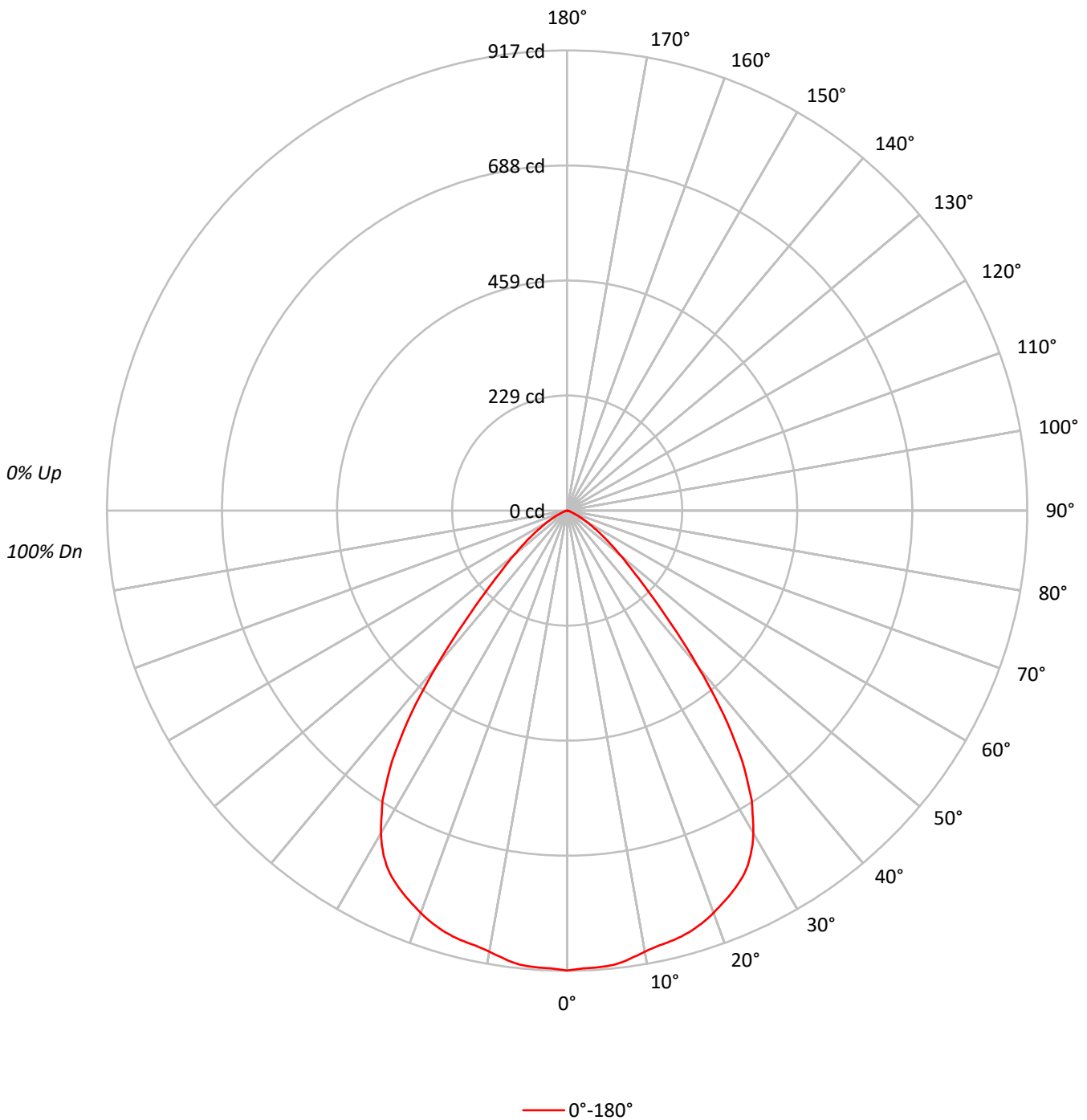
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244279

CATALOG NUMBER: LSR8B15D010 EC8B15940 8LBW0H

### Luminous Intensity Polar Plot





TEST NUMBER: P244279

CATALOG NUMBER: LSR8B15D010 EC8B15940 8LBW0H

**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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	28265
5°	28202
10°	27946
15°	28052
20°	27991
25°	27719
30°	26420
35°	22876
40°	16319
45°	10026
50°	6615
55°	4376
60°	2800
65°	1525
70°	748
75°	381
80°	213
85°	142



TEST NUMBER: P244279

CATALOG NUMBER: LSR8B15D010 EC8B15940 8LBW0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.4	6.3
10°-20°	247.8	18.1
20°-30°	373.0	27.3
30°-40°	369.3	27.0
40°-50°	187.6	13.7
50°-60°	75.6	5.5
60°-70°	22.9	1.7
70°-80°	4.0	0.3
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°	707.2	51.7
0°-40°	1076.5	78.7
0°-60°	1339.7	98.0
0°-90°	1367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1367.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	917	
5°	911	86
15°	879	248
25°	815	373
35°	608	369
45°	230	188
55°	81	76
65°	21	23
75°	3	4
85°	0	0
90°	0	



TEST NUMBER: P244279

CATALOG NUMBER: LSR8B15D010 EC8B15940 8LBW0H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	916.6
1°	914.7
2°	913.1
3°	912.7
4°	912.3
5°	911.1
6°	909.5
7°	906.4
8°	901.6
9°	897.3
10°	892.5
11°	888.6
12°	885.8
13°	883.8
14°	881.5
15°	878.7
16°	875.1
17°	870.8
18°	865.7
19°	859.7
20°	853.0
21°	845.9
22°	838.8
23°	831.3
24°	823.4
25°	814.7
26°	805.2
27°	793.0
28°	778.7
29°	761.7
30°	742.0
32.5°	684.3
35°	607.7
37.5°	512.0
40°	405.4
42.5°	306.2
45°	229.9
47.5°	175.8
50°	137.9
52.5°	107.1
55°	81.4
57.5°	60.5
60°	45.4
62.5°	32.4
65°	20.9



TEST NUMBER: P244279

CATALOG NUMBER: LSR8B15D010 EC8B15940 8LBW0H

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	13.0
70°	8.3
72.5°	5.1
75°	3.2
77.5°	2.0
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)