

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: P244345

Luminaire Tested: **LD8B15D010 ER8B15935 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B15935 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1208.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

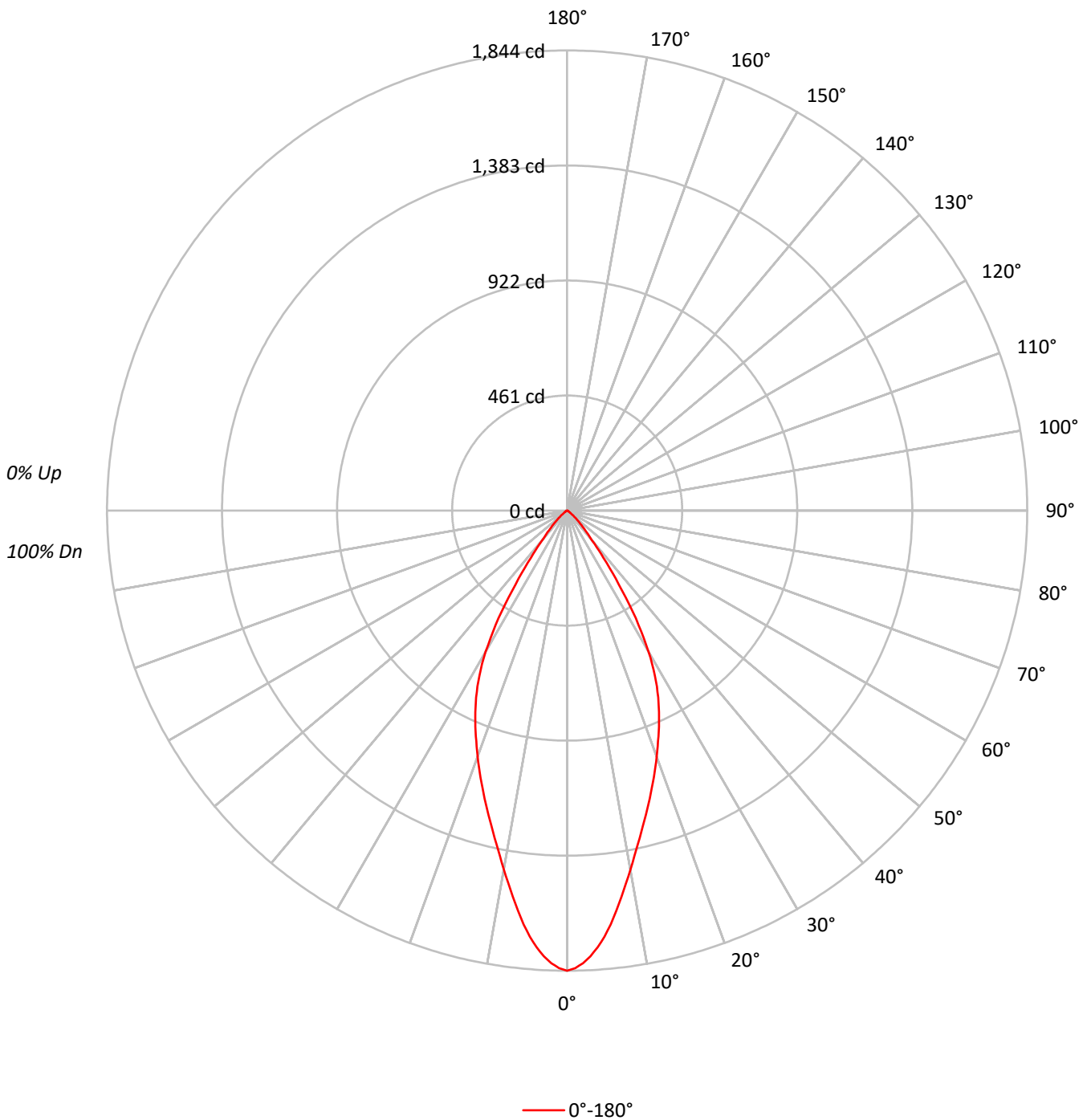
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244345

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBN0H

Luminous Intensity Polar Plot





TEST NUMBER: P244345

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBN0H

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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56862
5°	53040
10°	45719
15°	39567
20°	34420
25°	29581
30°	23244
35°	13559
40°	6255
45°	3240
50°	1626
55°	790
60°	401
65°	241
70°	108
75°	95
80°	71
85°	0



TEST NUMBER: P244345

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBN0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	12.8
10°-20°	346.5	28.7
20°-30°	394.0	32.6
30°-40°	231.4	19.2
40°-50°	62.1	5.1
50°-60°	14.7	1.2
60°-70°	3.4	0.3
70°-80°	0.7	0.1
80°-90°	0.1	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°	895.6	74.1
0°-40°	1127.0	93.3
0°-60°	1203.8	99.7
0°-90°	1208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1208.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1844	
5°	1714	155
15°	1239	347
25°	869	394
35°	360	231
45°	74	62
55°	15	15
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P244345

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBN0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1844.0
1°	1833.8
2°	1815.1
3°	1788.5
4°	1754.3
5°	1713.5
6°	1667.4
7°	1615.2
8°	1562.9
9°	1510.3
10°	1460.1
11°	1411.2
12°	1365.1
13°	1322.2
14°	1279.4
15°	1239.4
16°	1200.2
17°	1161.5
18°	1124.0
19°	1086.0
20°	1048.9
21°	1011.8
22°	976.3
23°	941.2
24°	905.3
25°	869.4
26°	832.3
27°	791.9
28°	749.4
29°	702.9
30°	652.8
32.5°	512.0
35°	360.2
37.5°	237.4
40°	155.4
42.5°	107.3
45°	74.3
47.5°	51.0
50°	33.9
52.5°	22.0
55°	14.7
57.5°	9.8
60°	6.5
62.5°	4.5
65°	3.3



TEST NUMBER: P244345

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBN0H

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)