

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: P250806

Luminaire Tested: **LD8B60D010 ER8B60935 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60935 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5612.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

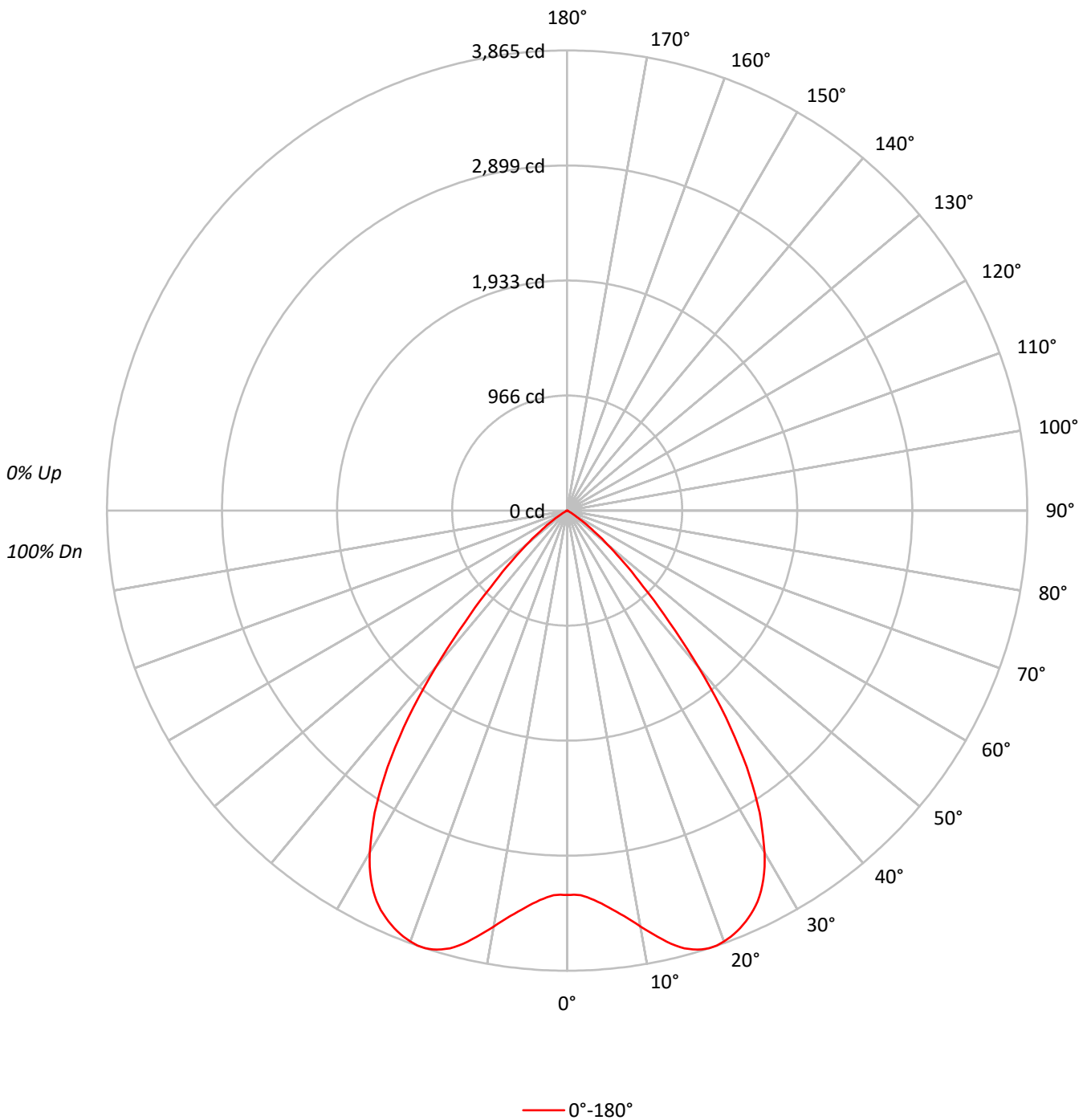
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250806

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P250806

CATALOG NUMBER: LD8B60D010 ER8B60935 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99570
5°	102517
10°	111057
15°	121513
20°	126414
25°	125954
30°	118143
35°	99068
40°	68975
45°	39506
50°	21214
55°	8752
60°	2177
65°	562
70°	279
75°	179
80°	266
85°	0



TEST NUMBER: P250806

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBW0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.8	5.8
10°-20°	1072.8	19.1
20°-30°	1687.9	30.1
30°-40°	1605.6	28.6
40°-50°	740.2	13.2
50°-60°	168.2	3.0
60°-70°	11.1	0.2
70°-80°	2.2	0.0
80°-90°	0.2	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°	3084.5	55.0
0°-40°	4690.1	83.6
0°-60°	5598.5	99.8
0°-90°	5612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3229	
5°	3312	324
15°	3806	1073
25°	3702	1688
35°	2632	1606
45°	906	740
55°	163	168
65°	8	11
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P250806

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBW0LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3229.0
1°	3227.4
2°	3233.6
3°	3252.0
4°	3279.6
5°	3311.9
6°	3351.8
7°	3394.8
8°	3439.3
9°	3491.5
10°	3546.8
11°	3602.1
12°	3660.4
13°	3715.7
14°	3766.4
15°	3806.3
16°	3835.5
17°	3855.4
18°	3864.6
19°	3863.1
20°	3852.3
21°	3833.9
22°	3810.9
23°	3780.2
24°	3744.9
25°	3701.9
26°	3651.2
27°	3586.7
28°	3510.0
29°	3420.9
30°	3318.0
32.5°	3009.4
35°	2631.7
37.5°	2192.6
40°	1713.5
42.5°	1266.7
45°	905.9
47.5°	641.8
50°	442.2
52.5°	282.5
55°	162.8
57.5°	81.4
60°	35.3
62.5°	13.8
65°	7.7



TEST NUMBER: P250806

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBW0LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.6
70°	3.1
72.5°	3.1
75°	1.5
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)