

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: P250952

Luminaire Tested: **LD8B60D010 ER8B60940 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250952
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: LD8B60D010 ER8B60940 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5031.0 lumens
Efficiency: N/A
Efficacy: 84.6 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

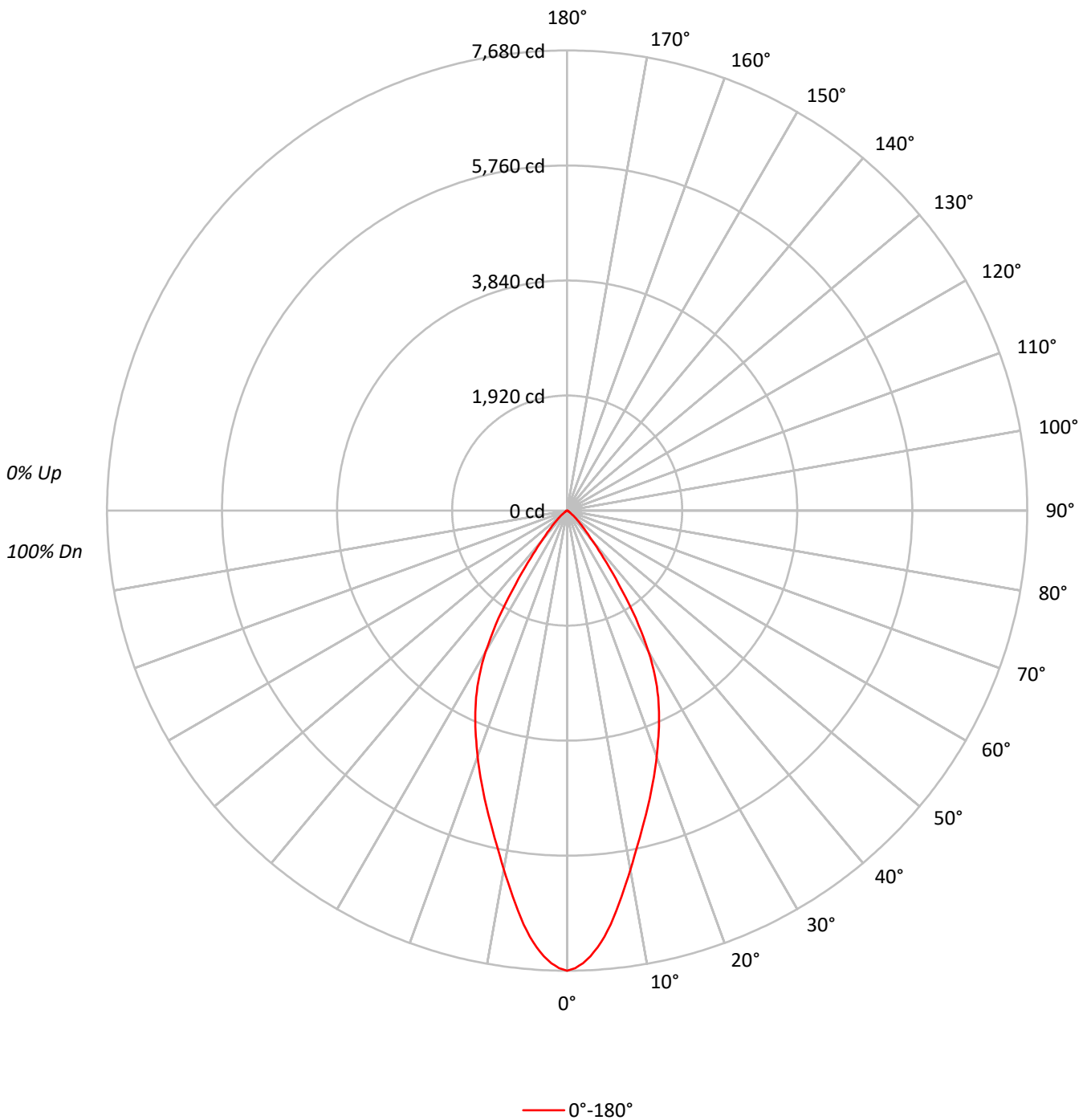
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250952

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBN0H

Luminous Intensity Polar Plot





TEST NUMBER: P250952

CATALOG NUMBER: LD8B60D010 ER8B60940 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°	236820
5°	220895
10°	190408
15°	164786
20°	143350
25°	123194
30°	96797
35°	56478
40°	26060
45°	13484
50°	6764
55°	3290
60°	1677
65°	992
70°	460
75°	405
80°	302
85°	0



TEST NUMBER: P250952

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBN0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.8	12.8
10°-20°	1443.3	28.7
20°-30°	1640.9	32.6
30°-40°	963.7	19.2
40°-50°	258.6	5.1
50°-60°	61.4	1.2
60°-70°	14.0	0.3
70°-80°	3.1	0.1
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°	3730.0	74.1
0°-40°	4693.7	93.3
0°-60°	5013.7	99.7
0°-90°	5031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5031.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7680	
5°	7136	646
15°	5162	1443
25°	3621	1641
35°	1500	964
45°	309	259
55°	61	61
65°	14	14
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P250952

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBN0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	7679.9
1°	7637.4
2°	7559.2
3°	7448.8
4°	7306.1
5°	7136.2
6°	6944.2
7°	6726.7
8°	6509.2
9°	6290.0
10°	6081.0
11°	5877.1
12°	5685.1
13°	5506.7
14°	5328.3
15°	5161.8
16°	4998.7
17°	4837.3
18°	4681.0
19°	4523.0
20°	4368.4
21°	4213.7
22°	4065.9
23°	3919.8
24°	3770.3
25°	3620.8
26°	3466.1
27°	3297.9
28°	3121.2
29°	2927.5
30°	2718.5
32.5°	2132.4
35°	1500.3
37.5°	988.9
40°	647.4
42.5°	446.9
45°	309.2
47.5°	212.4
50°	141.0
52.5°	91.8
55°	61.2
57.5°	40.8
60°	27.2
62.5°	18.7
65°	13.6



TEST NUMBER: P250952

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBN0H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.5
70°	5.1
72.5°	3.4
75°	3.4
77.5°	1.7
80°	1.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)