

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: P251234

Luminaire Tested: **LD8B60D010 ER8B60940 8LBW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251234  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-46)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60940 8LBW0GPH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4974.0 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

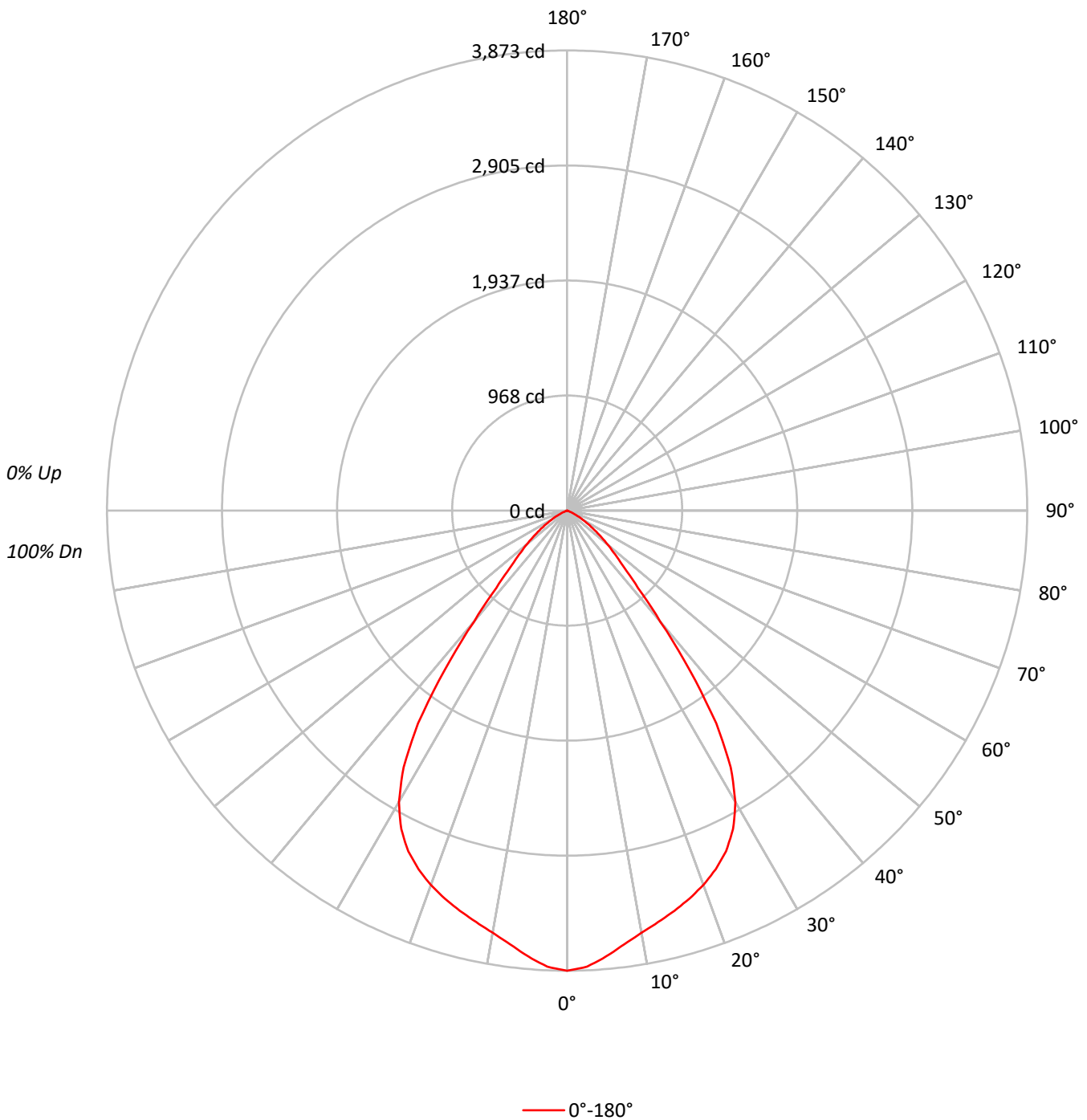
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P251234

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P251234

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0GPH

**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	104	110	108	105	103	103	101	100		100	98	97		96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89		93	90	87		90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	76	72		78	74	71	70
5	88	79	72	67	87	78	72	67	76	71	66		74	70	66		73	69	65	64
6	83	73	66	61	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		65	59	56		63	59	55	54
8	74	63	56	52	73	63	56	52	61	56	51		60	55	51		59	55	51	49
9	70	59	52	48	69	58	52	48	57	52	48		57	51	47		56	51	47	46
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

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

	0°
0°	119429
5°	116607
10°	112952
15°	111319
20°	110007
25°	107645
30°	100824
35°	82328
40°	49150
45°	29519
50°	21276
55°	14478
60°	9078
65°	4451
70°	1136
75°	429
80°	320
85°	0



TEST NUMBER: P251234

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.4	7.1
10°-20°	984.1	19.8
20°-30°	1445.1	29.1
30°-40°	1310.0	26.3
40°-50°	560.8	11.3
50°-60°	248.1	5.0
60°-70°	66.1	1.3
70°-80°	5.2	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°	2783.5	56.0
0°-40°	4093.5	82.3
0°-60°	4902.4	98.6
0°-90°	4974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4974.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3873	
5°	3767	354
15°	3487	984
25°	3164	1445
35°	2187	1310
45°	677	561
55°	269	248
65°	61	66
75°	4	5
85°	0	0
90°	0	



TEST NUMBER: P251234

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3873.0
2.5°	3842.5
5°	3767.1
7.5°	3680.9
10°	3607.3
12.5°	3546.2
15°	3487.0
17.5°	3424.1
20°	3352.3
22.5°	3267.9
25°	3163.8
27.5°	3023.7
30°	2831.6
32.5°	2562.3
35°	2187.0
37.5°	1695.0
40°	1221.0
42.5°	881.6
45°	676.9
47.5°	545.8
50°	443.5
52.5°	351.9
55°	269.3
57.5°	201.1
60°	147.2
62.5°	102.3
65°	61.0
67.5°	26.9
70°	12.6
72.5°	7.2
75°	3.6
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)