

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: P250983

Luminaire Tested: **LD8B70D010 ER8B70930 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70930 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6127.3 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

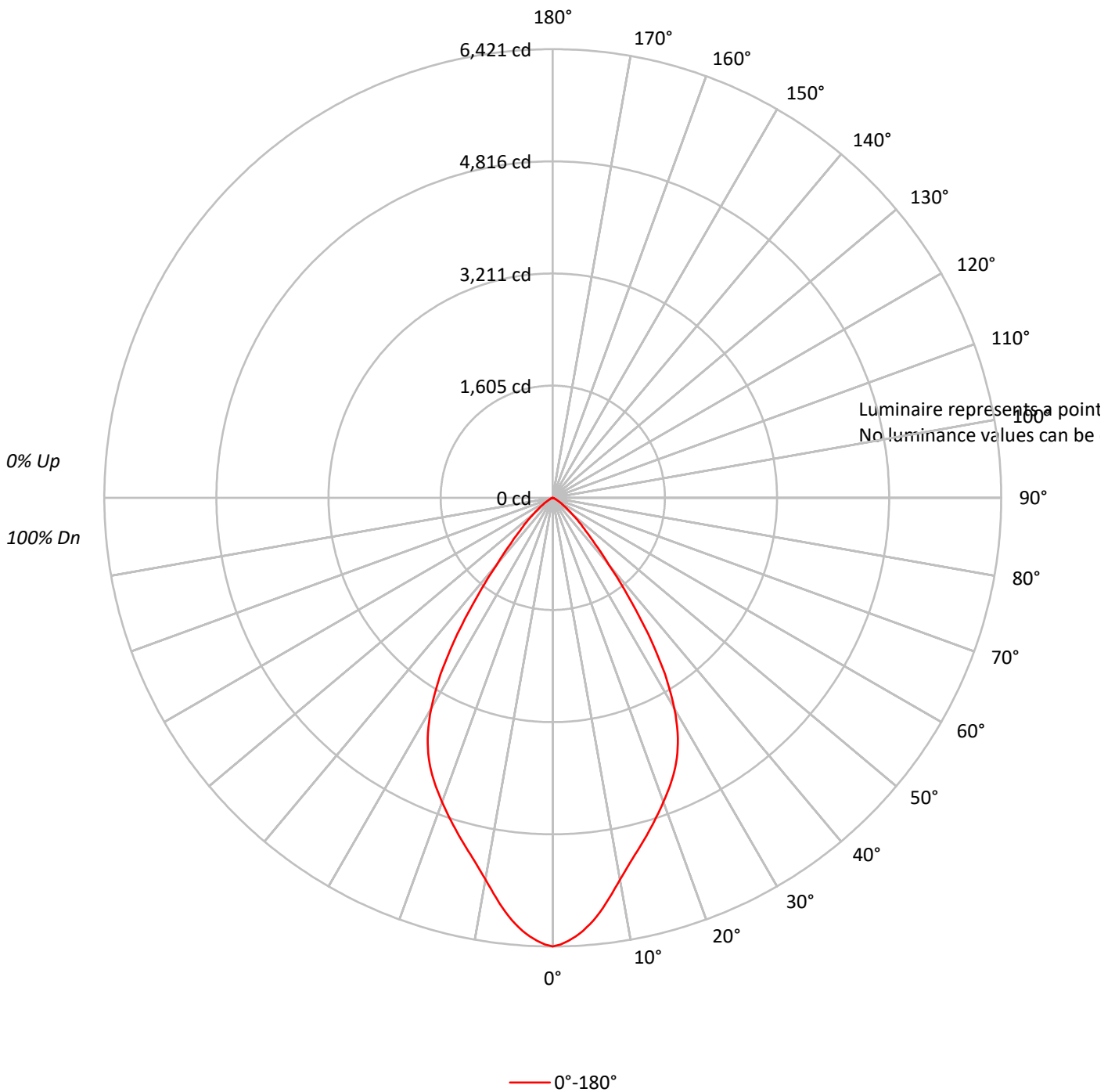
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250983

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBM0H

Luminous Intensity Polar Plot





TEST NUMBER: P250983

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBM0H

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	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P250983

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBM0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.5	9.2
10°-20°	1423.5	23.2
20°-30°	1899.4	31.0
30°-40°	1464.0	23.9
40°-50°	545.9	8.9
50°-60°	178.5	2.9
60°-70°	41.1	0.7
70°-80°	8.3	0.1
80°-90°	1.2	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°	3888.3	63.5
0°-40°	5352.3	87.4
0°-60°	6076.7	99.2
0°-90°	6127.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6127.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6421	
5°	6125	566
15°	5064	1423
25°	4181	1899
35°	2382	1464
45°	663	546
55°	187	179
65°	36	41
75°	7	8
85°	2	1
90°	0	



TEST NUMBER: P250983

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBM0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	6420.6
1°	6392.8
2°	6346.0
3°	6286.0
4°	6212.8
5°	6125.0
6°	6025.5
7°	5911.3
8°	5789.7
9°	5663.9
10°	5548.2
11°	5437.0
12°	5333.0
13°	5237.9
14°	5150.0
15°	5063.7
16°	4975.8
17°	4890.9
18°	4803.0
19°	4716.7
20°	4633.2
21°	4546.9
22°	4463.5
23°	4375.6
24°	4283.3
25°	4180.9
26°	4068.2
27°	3943.8
28°	3806.1
29°	3652.4
30°	3484.1
32.5°	2990.7
35°	2381.8
37.5°	1764.0
40°	1248.7
42.5°	894.4
45°	663.2
47.5°	499.2
50°	368.9
52.5°	263.5
55°	187.4
57.5°	128.8
60°	84.9
62.5°	55.6
65°	36.5



TEST NUMBER: P250983

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBM0H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.9
70°	16.1
72.5°	10.2
75°	7.3
77.5°	4.4
80°	2.9
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)