

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: P246989

Luminaire Tested: **LD8B120D010 ER8B120950 8LBMOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246989  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B120D010 ER8B120950 8LBM0LI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11685.0 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

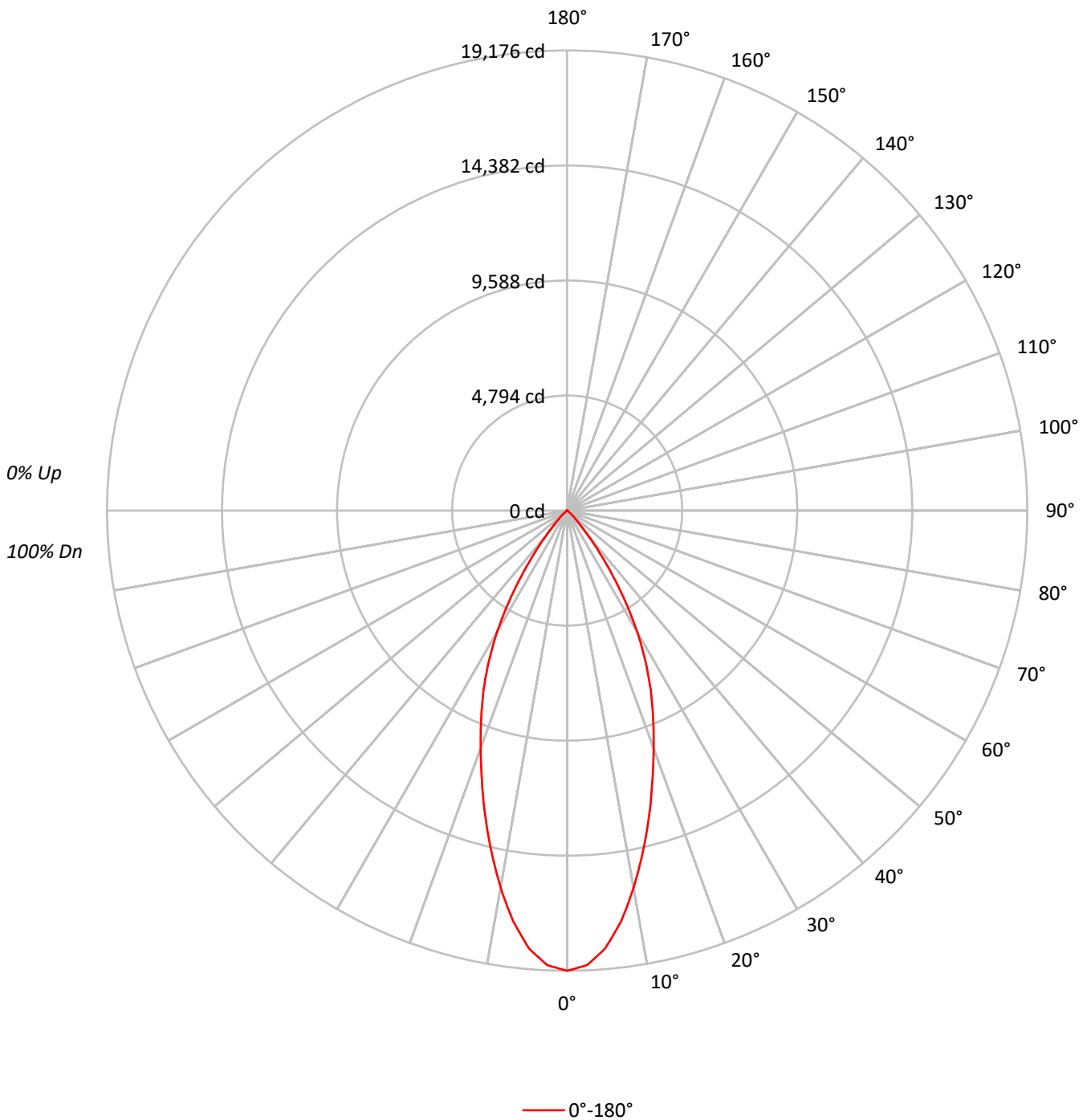
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P246989

CATALOG NUMBER: LD8B120D010 ER8B120950 8LBM0LI

### Luminous Intensity Polar Plot





TEST NUMBER: P246989

CATALOG NUMBER: LD8B120D010 ER8B120950 8LBM0LI

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

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

	0°
0°	591302
5°	566649
10°	499658
15°	421088
20°	345739
25°	280226
30°	207455
35°	124877
40°	55611
45°	21621
50°	7757
55°	2263
60°	1591
65°	1189
70°	126
75°	643
80°	0
85°	1911



TEST NUMBER: P246989

CATALOG NUMBER: LD8B120D010 ER8B120950 8LBM0LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1671.2	14.3
10°-20°	3663.6	31.4
20°-30°	3736.3	32.0
30°-40°	2092.6	17.9
40°-50°	446.3	3.8
50°-60°	55.3	0.5
60°-70°	14.4	0.1
70°-80°	3.4	0.0
80°-90°	1.9	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°	9071.2	77.6
0°-40°	11163.8	95.5
0°-60°	11665.3	99.8
0°-90°	11685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11685.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19176	
5°	18306	###
15°	13190	3664
25°	8236	3736
35°	3317	2093
45°	496	446
55°	42	55
65°	16	14
75°	5	3
85°	5	2
90°	0	



TEST NUMBER: P246989

CATALOG NUMBER: LD8B120D010 ER8B120950 8LBM0LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	19175.5
2.5°	18959.5
5°	18306.1
7.5°	17254.7
10°	15957.4
12.5°	14565.0
15°	13190.3
17.5°	11807.4
20°	10535.9
22.5°	9352.7
25°	8236.1
27.5°	7063.8
30°	5826.3
32.5°	4533.0
35°	3317.3
37.5°	2222.4
40°	1381.5
42.5°	825.9
45°	495.8
47.5°	275.8
50°	161.7
52.5°	85.6
55°	42.1
57.5°	29.9
60°	25.8
62.5°	12.2
65°	16.3
67.5°	16.3
70°	1.4
72.5°	4.1
75°	5.4
77.5°	2.7
80°	0.0
82.5°	1.4
85°	5.4
87.5°	0.0
90°	0.0

(END OF REPORT)