

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: P244010

Luminaire Tested: **LD8B20D010 ER8B20930 8LBMOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-11)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B20D010 ER8B20930 8LBM0LI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1867.6 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.72  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

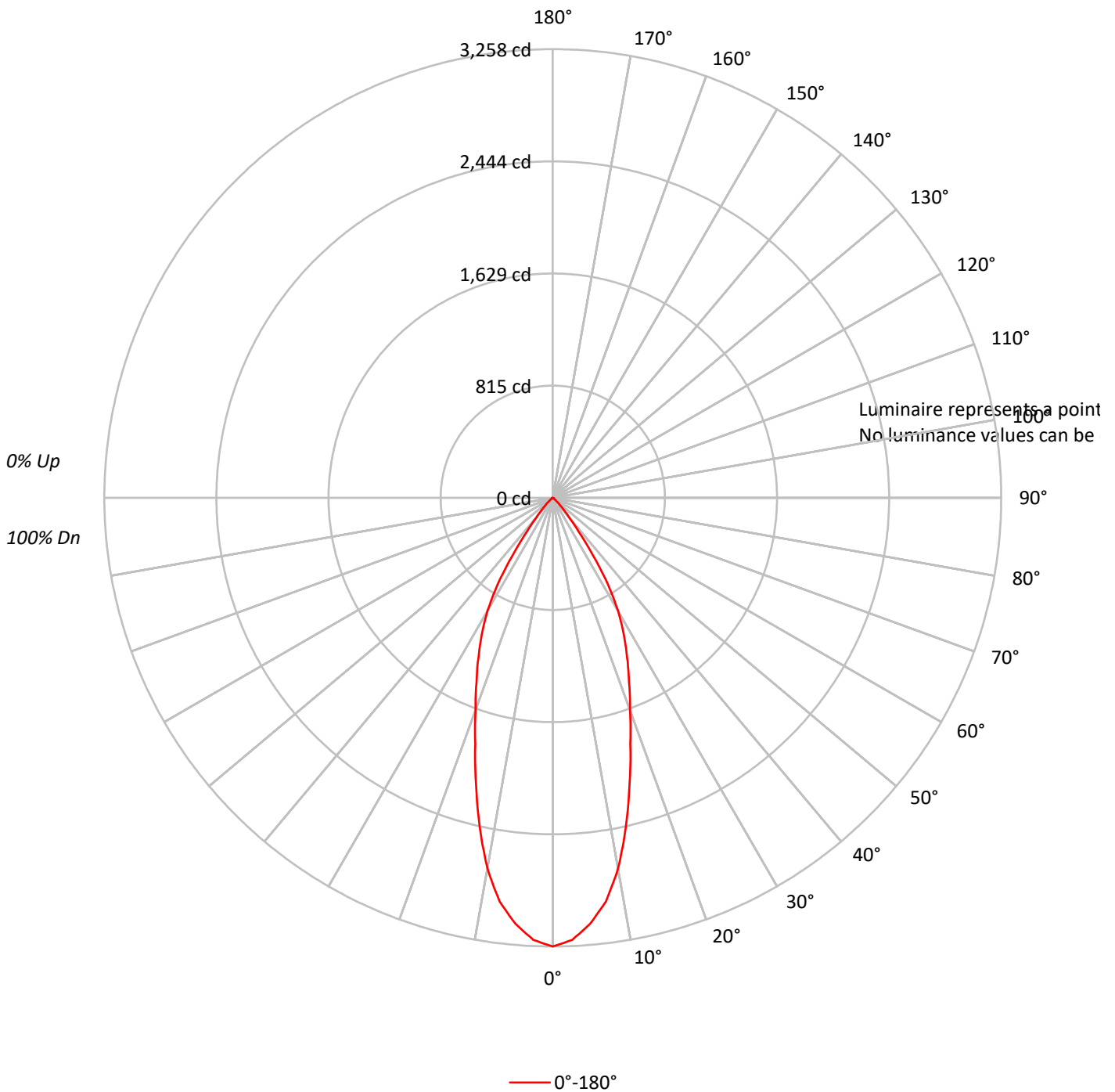
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94	94	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	89	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83	83	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78	78	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74	74	74
6	90	82	77	73	89	81	76	73	80	75	72	79	75	72	77	74	71	70	70	70
7	86	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62	62	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	58	56	56	56

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.1	15.3
10°-20°	598.1	32.0
20°-30°	585.3	31.3
30°-40°	323.8	17.3
40°-50°	62.7	3.4
50°-60°	9.6	0.5
60°-70°	2.4	0.1
70°-80°	0.6	0.0
80°-90°	0.0	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°	1468.5	78.6
0°-40°	1792.3	96.0
0°-60°	1864.6	99.8
0°-90°	1867.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3258	
5°	3106	285
15°	2154	598
25°	1278	585
35°	510	324
45°	72	63
55°	9	10
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3258.0
2.5°	3213.1
5°	3106.1
7.5°	2956.0
10°	2733.6
12.5°	2452.5
15°	2153.9
17.5°	1874.0
20°	1641.3
22.5°	1448.6
25°	1278.1
27.5°	1117.4
30°	946.3
32.5°	745.6
35°	509.8
37.5°	306.7
40°	179.8
42.5°	112.3
45°	71.6
47.5°	44.8
50°	26.2
52.5°	14.6
55°	8.7
57.5°	5.3
60°	4.0
62.5°	2.9
65°	2.4
67.5°	1.8
70°	1.1
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)