

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: P244442

Luminaire Tested: **LD8B20D010 ER8B20930 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244442  
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: LD8B20D010 ER8B20930 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: 1761.1 lumens  
Efficiency: N/A  
Efficacy: 82.7 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

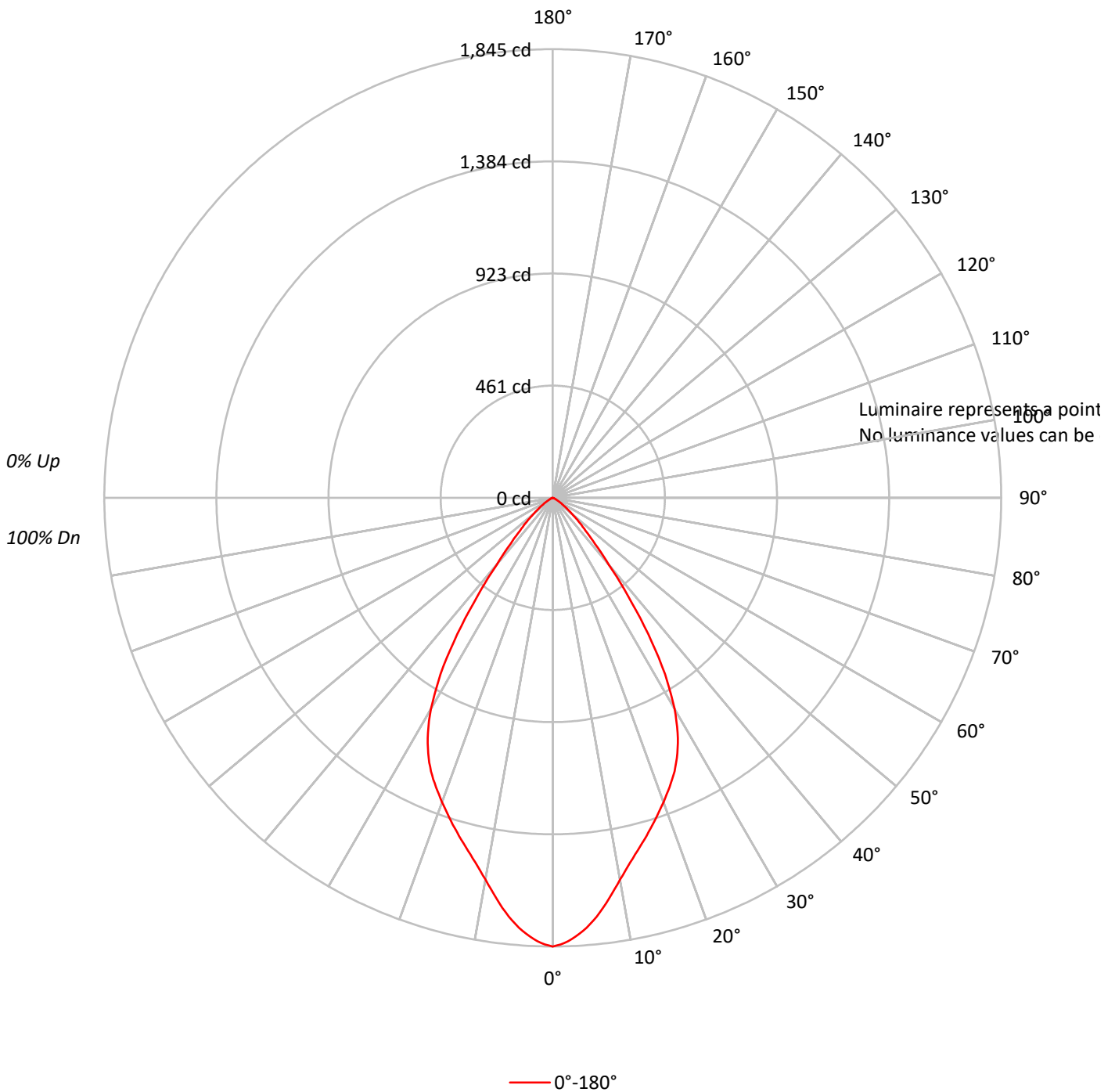
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





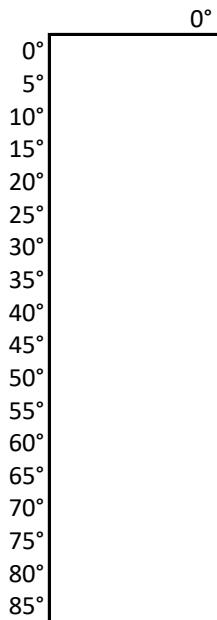
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10	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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.5	9.2
10°-20°	409.1	23.2
20°-30°	545.9	31.0
30°-40°	420.8	23.9
40°-50°	156.9	8.9
50°-60°	51.3	2.9
60°-70°	11.8	0.7
70°-80°	2.4	0.1
80°-90°	0.3	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°	1117.6	63.5
0°-40°	1538.3	87.4
0°-60°	1746.5	99.2
0°-90°	1761.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1761.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1845	
5°	1760	163
15°	1455	409
25°	1202	546
35°	685	421
45°	191	157
55°	54	51
65°	10	12
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1845.4
1°	1837.4
2°	1824.0
3°	1806.7
4°	1785.6
5°	1760.4
6°	1731.8
7°	1699.0
8°	1664.0
9°	1627.9
10°	1594.6
11°	1562.7
12°	1532.7
13°	1505.4
14°	1480.2
15°	1455.4
16°	1430.1
17°	1405.7
18°	1380.5
19°	1355.6
20°	1331.6
21°	1306.9
22°	1282.9
23°	1257.6
24°	1231.1
25°	1201.6
26°	1169.2
27°	1133.4
28°	1094.0
29°	1049.7
30°	1001.4
32.5°	859.6
35°	684.6
37.5°	507.0
40°	358.9
42.5°	257.0
45°	190.6
47.5°	143.5
50°	106.0
52.5°	75.8
55°	53.8
57.5°	37.0
60°	24.4
62.5°	16.0
65°	10.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	7.2
70°	4.6
72.5°	2.9
75°	2.1
77.5°	1.2
80°	0.9
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)