

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: P247332

Luminaire Tested: **LD8B100D010 ER8B1009730 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B100D010 ER8B1009730 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7620.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

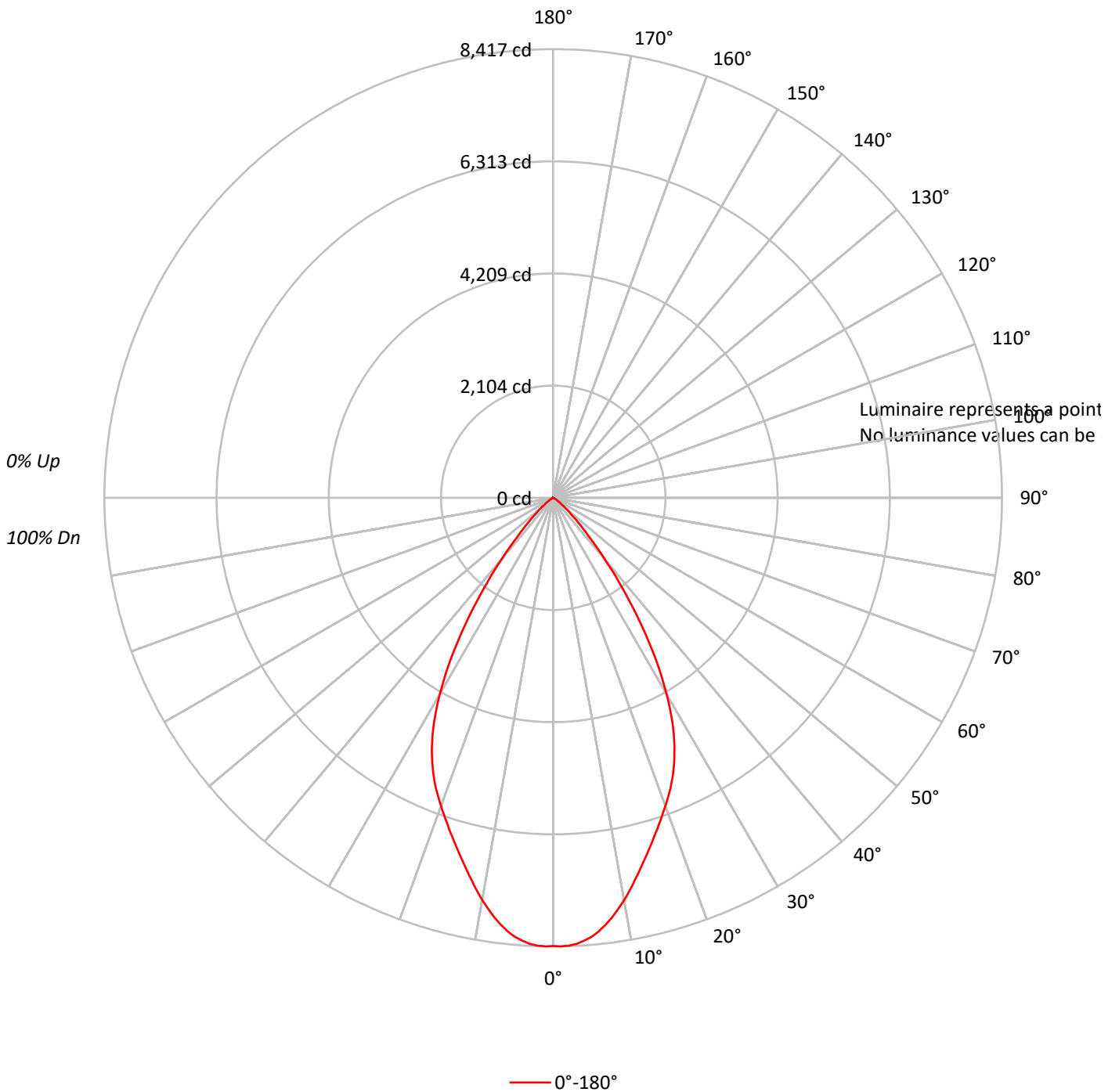
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	769.2	10.1
10°-20°	1928.8	25.3
20°-30°	2434.8	32.0
30°-40°	1751.5	23.0
40°-50°	579.7	7.6
50°-60°	126.2	1.7
60°-70°	26.0	0.3
70°-80°	2.5	0.0
80°-90°	1.3	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°	5132.8	67.4
0°-40°	6884.2	90.3
0°-60°	7590.2	99.6
0°-90°	7620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8406	
5°	8266	769
15°	6871	1929
25°	5378	2435
35°	2822	1751
45°	680	580
55°	124	126
65°	23	26
75°	2	3
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8405.6
1°	8417.4
2°	8407.6
3°	8379.9
4°	8328.3
5°	8265.7
6°	8179.8
7°	8067.8
8°	7944.3
9°	7809.2
10°	7660.6
11°	7509.0
12°	7343.8
13°	7184.6
14°	7024.5
15°	6870.9
16°	6719.6
17°	6574.7
18°	6430.9
19°	6292.7
20°	6153.6
21°	6011.0
22°	5871.8
23°	5720.4
24°	5557.1
25°	5377.7
26°	5189.4
27°	4979.7
28°	4758.0
29°	4511.6
30°	4255.0
31°	3985.0
32°	3700.9
33°	3402.8
34°	3111.2
35°	2822.5
37.5°	2119.7
40°	1502.0
42.5°	1017.6
45°	680.5
47.5°	456.5
50°	305.1
52.5°	184.2
55°	123.5
57.5°	86.0



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	51.0
62.5°	34.9
65°	23.4
67.5°	20.9
70°	1.9
72.5°	4.8
75°	1.9
77.5°	1.9
80°	0.0
82.5°	4.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)