

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: P244444

Luminaire Tested: **LD8B40D010 ER8B40930 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244444  
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: LD8B40D010 ER8B40930 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: 3581.6 lumens  
Efficiency: N/A  
Efficacy: 87.6 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

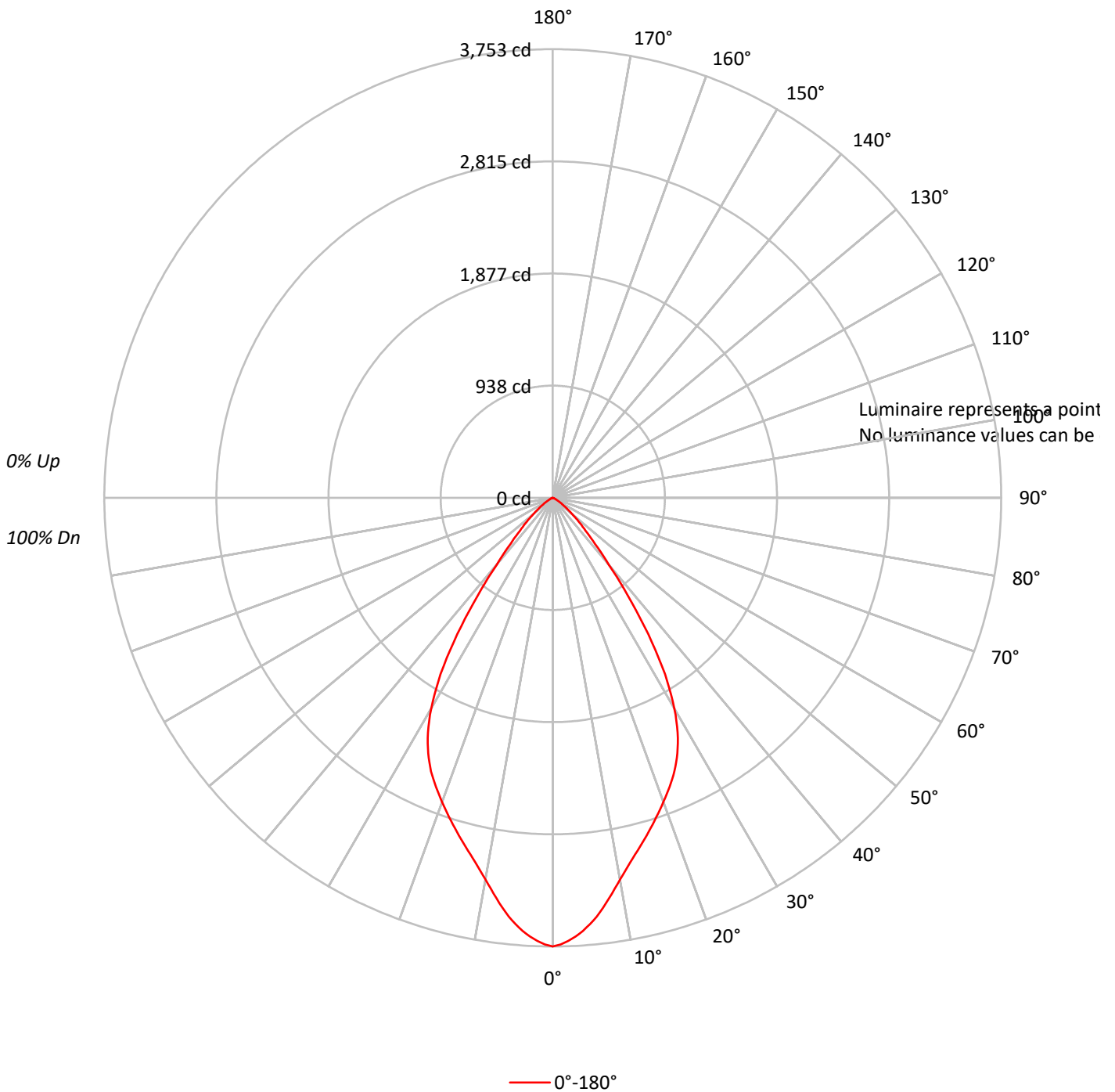
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	330.6	9.2
10°-20°	832.1	23.2
20°-30°	1110.2	31.0
30°-40°	855.7	23.9
40°-50°	319.1	8.9
50°-60°	104.4	2.9
60°-70°	24.1	0.7
70°-80°	4.8	0.1
80°-90°	0.7	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°	2272.8	63.5
0°-40°	3128.6	87.4
0°-60°	3552.0	99.2
0°-90°	3581.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3581.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3753	
5°	3580	331
15°	2960	832
25°	2444	1110
35°	1392	856
45°	388	319
55°	110	104
65°	21	24
75°	4	5
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3753.0
1°	3736.7
2°	3709.4
3°	3674.3
4°	3631.5
5°	3580.1
6°	3522.0
7°	3455.3
8°	3384.2
9°	3310.6
10°	3243.1
11°	3178.0
12°	3117.3
13°	3061.7
14°	3010.3
15°	2959.8
16°	2908.4
17°	2858.9
18°	2807.5
19°	2757.0
20°	2708.2
21°	2657.8
22°	2609.0
23°	2557.7
24°	2503.8
25°	2443.9
26°	2378.0
27°	2305.2
28°	2224.7
29°	2134.9
30°	2036.5
32.5°	1748.2
35°	1392.2
37.5°	1031.1
40°	729.9
42.5°	522.8
45°	387.6
47.5°	291.8
50°	215.7
52.5°	154.0
55°	109.5
57.5°	75.3
60°	49.7
62.5°	32.5
65°	21.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	14.6
70°	9.4
72.5°	5.9
75°	4.3
77.5°	2.6
80°	1.7
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)