

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: P248052

Luminaire Tested: **LD8B175D010 ER8B175930 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B175930 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: 14318.5 lumens  
Efficiency: N/A  
Efficacy: 80.8 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

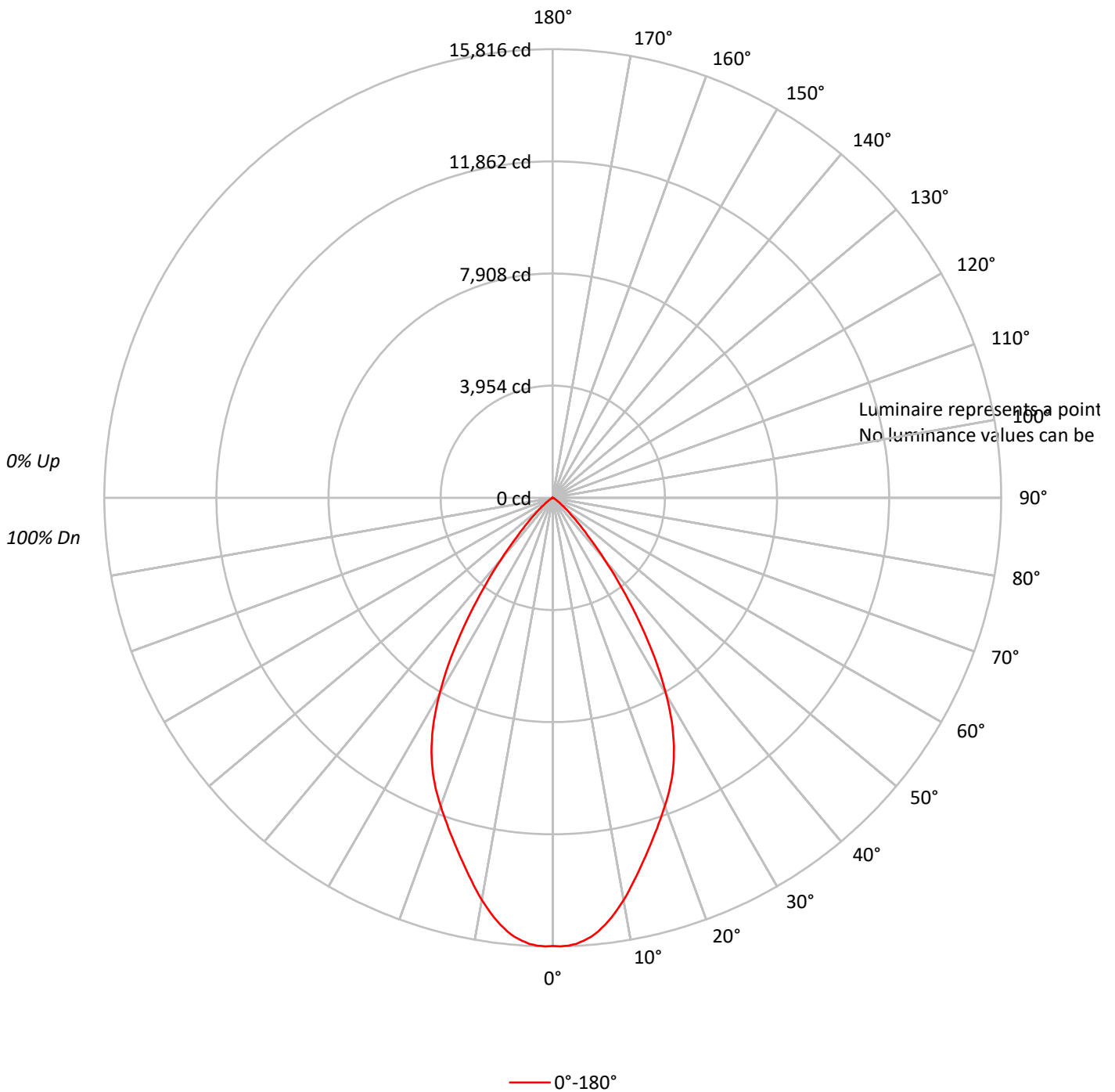
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	65	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°	1445.3	10.1
10°-20°	3624.1	25.3
20°-30°	4574.9	32.0
30°-40°	3291.1	23.0
40°-50°	1089.2	7.6
50°-60°	237.2	1.7
60°-70°	49.0	0.3
70°-80°	5.2	0.0
80°-90°	2.4	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°	9644.4	67.4
0°-40°	12935.5	90.3
0°-60°	14262.0	99.6
0°-90°	14318.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14318.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15794	
5°	15532	###
15°	12910	3624
25°	10105	4575
35°	5304	3291
45°	1278	1089
55°	232	237
65°	44	49
75°	4	5
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15794.1
1°	15816.0
2°	15798.5
3°	15745.9
4°	15649.7
5°	15531.5
6°	15369.6
7°	15159.6
8°	14927.6
9°	14673.8
10°	14393.6
11°	14109.2
12°	13798.5
13°	13500.9
14°	13198.9
15°	12910.1
16°	12625.6
17°	12354.3
18°	12083.0
19°	11824.8
20°	11562.2
21°	11295.2
22°	11032.7
23°	10748.1
24°	10441.9
25°	10104.9
26°	9750.3
27°	9356.5
28°	8940.9
29°	8476.9
30°	7995.5
31°	7487.8
32°	6953.9
33°	6393.8
34°	5846.7
35°	5304.0
37.5°	3982.5
40°	2822.8
42.5°	1912.4
45°	1277.9
47.5°	857.7
50°	573.3
52.5°	345.7
55°	231.9
57.5°	161.9



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	96.3
62.5°	65.7
65°	43.8
67.5°	39.5
70°	4.4
72.5°	8.7
75°	4.4
77.5°	4.4
80°	0.0
82.5°	8.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)