

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: P247866

Luminaire Tested: **LD8B175D010 ER8B175950 8LBMOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B175950 8LBM0LI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17283.0 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

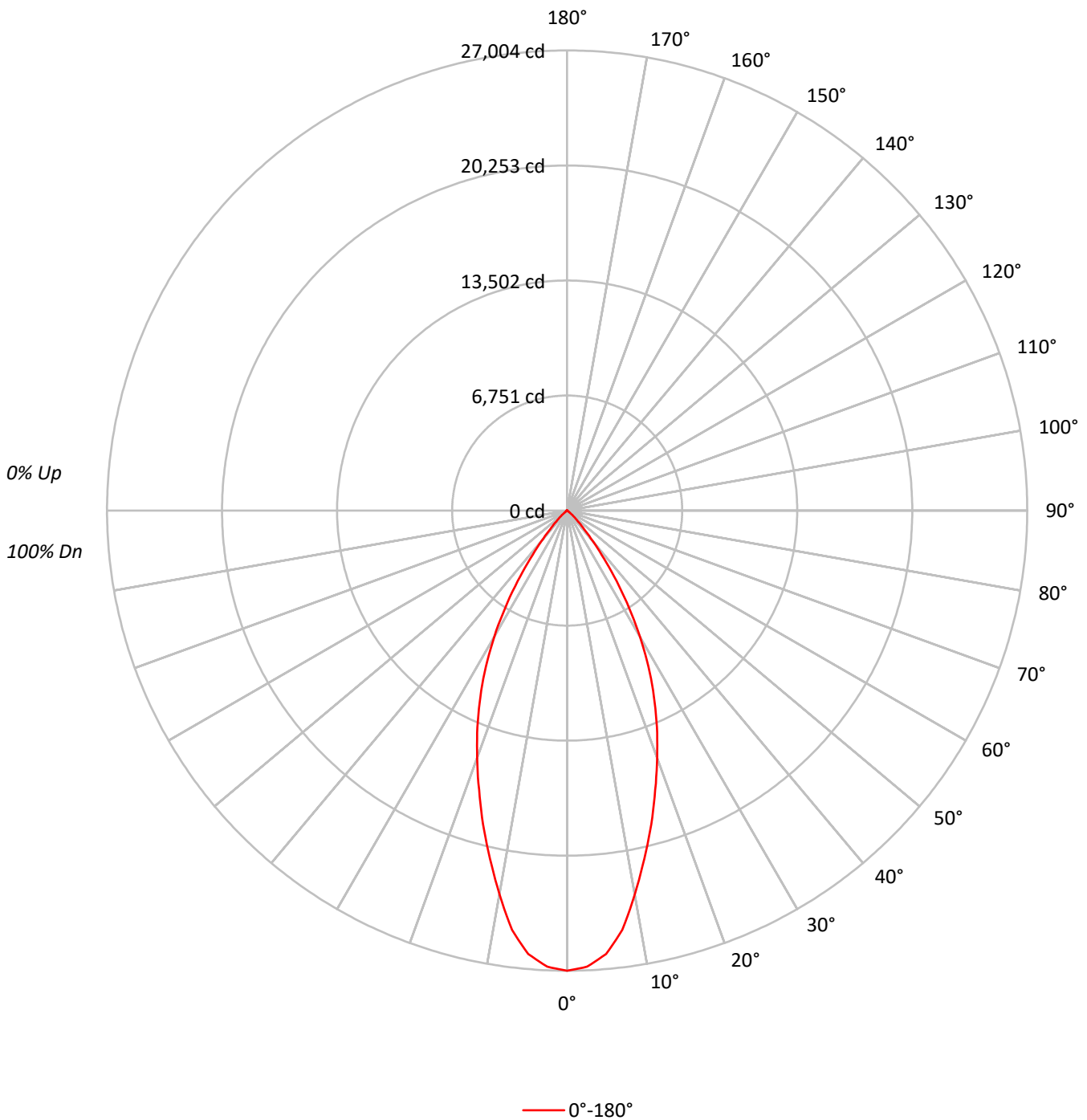
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55

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

	0°
0°	832698
5°	808809
10°	715796
15°	608406
20°	506564
25°	409674
30°	304466
35°	190043
40°	93582
45°	39593
50°	14334
55°	4419
60°	2374
65°	985
70°	1037
75°	250
80°	373
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2389.7	13.8
10°-20°	5300.9	30.7
20°-30°	5475.9	31.7
30°-40°	3192.3	18.5
40°-50°	800.0	4.6
50°-60°	97.0	0.6
60°-70°	20.3	0.1
70°-80°	2.6	0.0
80°-90°	4.3	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°	13166.6	76.2
0°-40°	16358.9	94.7
0°-60°	17255.9	99.8
0°-90°	17283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17283.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	27004	
5°	26129	###
15°	19058	5301
25°	12041	5476
35°	5048	3192
45°	908	800
55°	82	97
65°	14	20
75°	2	3
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	27003.8
2.5°	26794.5
5°	26129.3
7.5°	24819.5
10°	22860.1
12.5°	20919.4
15°	19057.9
17.5°	17190.1
20°	15436.8
22.5°	13752.3
25°	12040.7
27.5°	10338.4
30°	8550.8
32.5°	6787.1
35°	5048.4
37.5°	3547.1
40°	2324.8
42.5°	1464.9
45°	907.9
47.5°	553.9
50°	298.8
52.5°	145.8
55°	82.2
57.5°	44.8
60°	38.5
62.5°	27.1
65°	13.5
67.5°	16.7
70°	11.5
72.5°	0.0
75°	2.1
77.5°	1.0
80°	2.1
82.5°	3.1
85°	0.0
87.5°	11.5
90°	0.0

(END OF REPORT)