

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: P249656

Luminaire Tested: **LD8B175D010 ER8B175930 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249656  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B175930 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15061.7 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

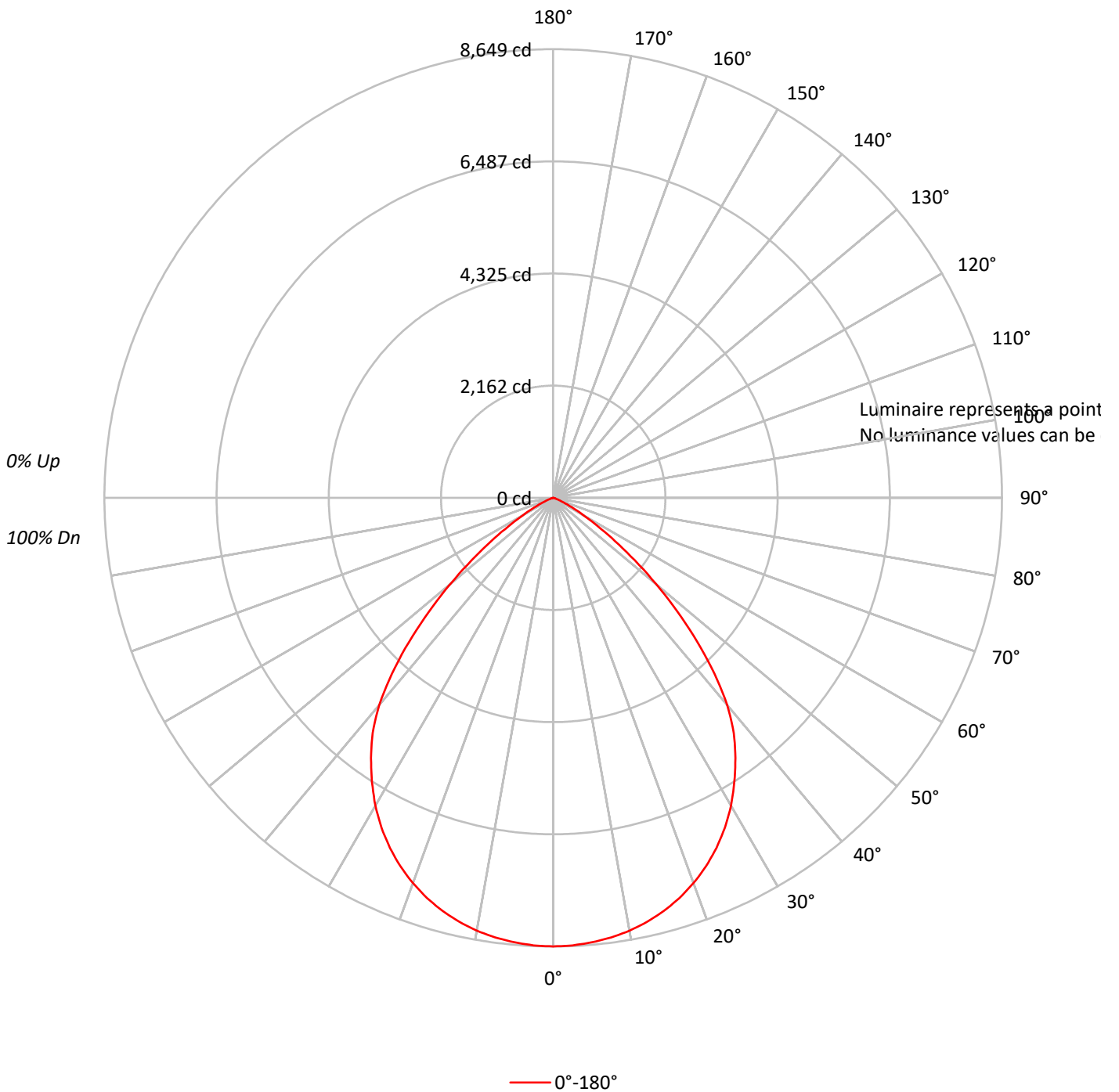
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61		70	64	60		68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38		47	42	38		47	41	38	36

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	817.0	5.4
10°-20°	2322.9	15.4
20°-30°	3420.8	22.7
30°-40°	3808.7	25.3
40°-50°	3008.1	20.0
50°-60°	1348.6	9.0
60°-70°	297.7	2.0
70°-80°	33.5	0.2
80°-90°	4.4	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°	6560.7	43.6
0°-40°	10369.4	68.8
0°-60°	14726.1	97.8
0°-90°	15061.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15061.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8649	
5°	8601	817
15°	8244	2323
25°	7447	3421
35°	6122	3809
45°	3931	3008
55°	1456	1349
65°	261	298
75°	27	34
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8649.0
2.5°	8636.0
5°	8601.4
7.5°	8548.3
10°	8472.9
12.5°	8371.2
15°	8244.4
17.5°	8089.6
20°	7904.1
22.5°	7690.6
25°	7447.3
27.5°	7166.7
30°	6855.3
32.5°	6498.2
35°	6122.5
37.5°	5718.8
40°	5219.0
42.5°	4600.9
45°	3930.6
47.5°	3248.2
50°	2585.3
52.5°	1979.2
55°	1456.3
57.5°	1017.2
60°	681.6
62.5°	431.7
65°	261.1
67.5°	145.4
70°	71.7
72.5°	39.1
75°	27.0
77.5°	19.6
80°	12.1
82.5°	6.5
85°	2.8
87.5°	0.9
90°	0.0

(END OF REPORT)