

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: P247986

Luminaire Tested: **LD8B175D010 ER8B175830 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B175830 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17205.0 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

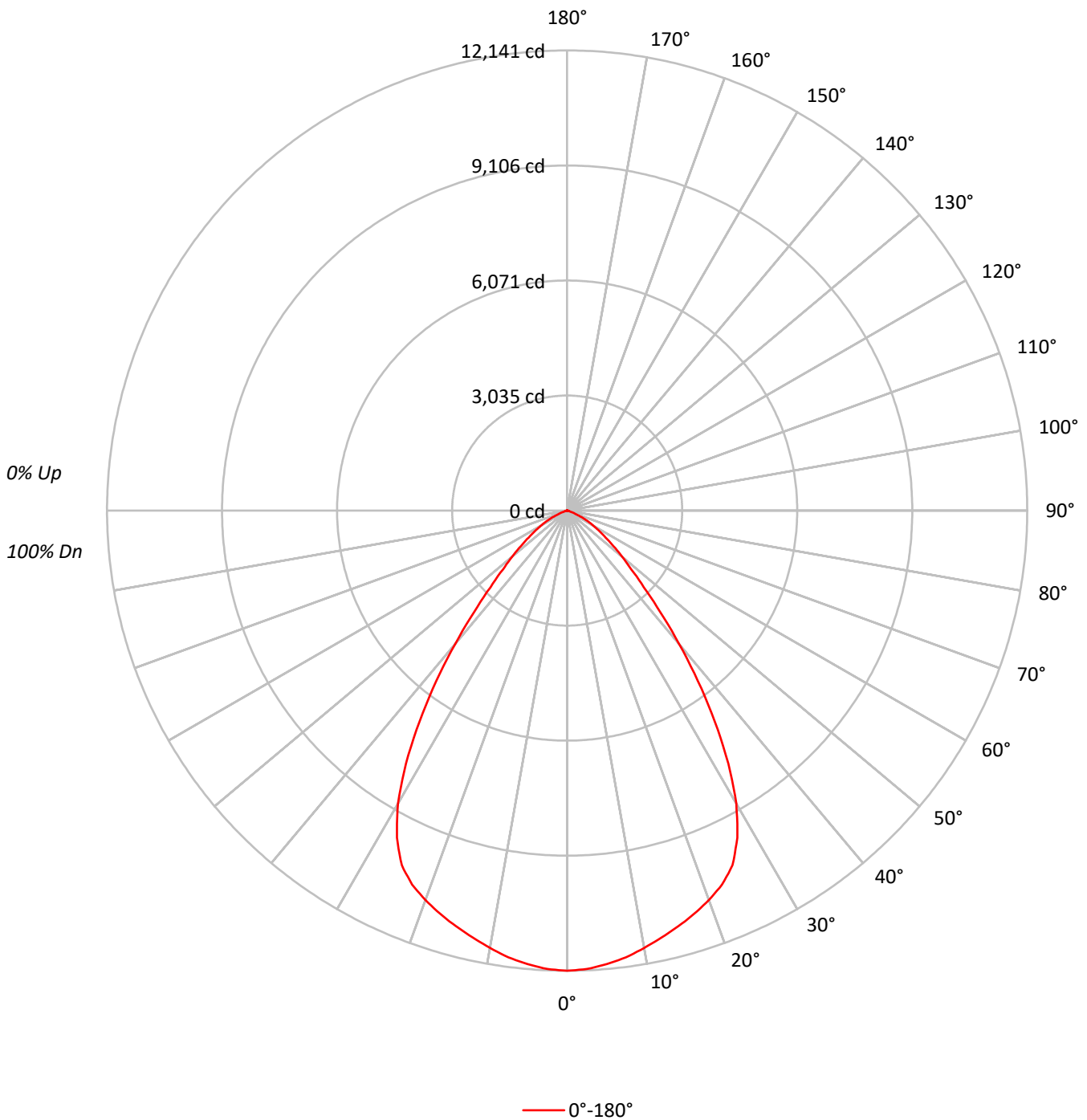
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

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

	0°
0°	374371
5°	371836
10°	366889
15°	362380
20°	358816
25°	351309
30°	317818
35°	255649
40°	184915
45°	124949
50°	90942
55°	66541
60°	49350
65°	32878
70°	14588
75°	6600
80°	4635
85°	5378



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1137.6	6.6
10°-20°	3203.8	18.6
20°-30°	4678.7	27.2
30°-40°	4207.8	24.5
40°-50°	2301.2	13.4
50°-60°	1140.9	6.6
60°-70°	450.5	2.6
70°-80°	72.6	0.4
80°-90°	11.8	0.1
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°	9020.2	52.4
0°-40°	13228.0	76.9
0°-60°	16670.1	96.9
0°-90°	17205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17205.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12141	
5°	12012	###
15°	11351	3204
25°	10325	4679
35°	6791	4208
45°	2865	2301
55°	1238	1141
65°	451	451
75°	55	73
85°	15	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12140.6
2.5°	12106.9
5°	12012.5
7.5°	11889.8
10°	11717.2
12.5°	11533.7
15°	11351.3
17.5°	11155.8
20°	10934.4
22.5°	10681.4
25°	10325.3
27.5°	9725.9
30°	8925.8
32.5°	7917.1
35°	6791.2
37.5°	5667.5
40°	4593.7
42.5°	3626.3
45°	2865.2
47.5°	2296.3
50°	1895.7
52.5°	1542.8
55°	1237.7
57.5°	1000.0
60°	800.2
62.5°	633.0
65°	450.6
67.5°	268.2
70°	161.8
72.5°	91.2
75°	55.4
77.5°	35.8
80°	26.1
82.5°	8.7
85°	15.2
87.5°	6.5
90°	0.0

(END OF REPORT)