

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: P250363

Luminaire Tested: **LD8B175D010 ER8B175927 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175927 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11250.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

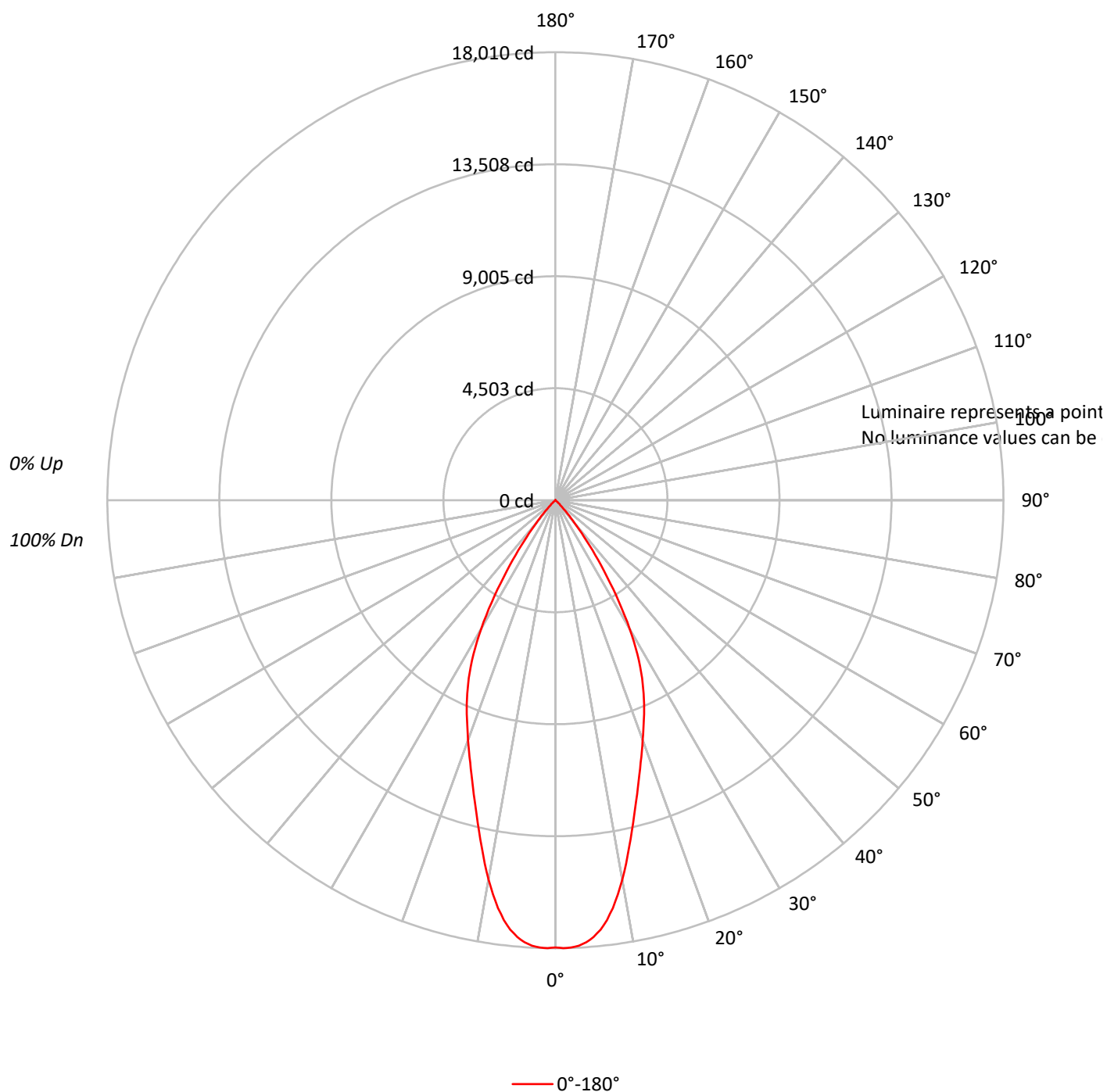
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94	
C	2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	
R	3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83	
C	4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78	
R	5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74	
C	6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70	
R	7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66	
C	8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62	
R	9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59	
C	10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1613.7	14.3
10°-20°	3507.4	31.2
20°-30°	3765.4	33.5
30°-40°	2035.1	18.1
40°-50°	317.5	2.8
50°-60°	8.7	0.1
60°-70°	2.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	8886.5	79.0
0°-40°	10921.7	97.1
0°-60°	11247.9	100.0
0°-90°	11250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11250.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17976	
5°	17622	###
15°	12523	3507
25°	8347	3765
35°	3197	2035
45°	293	318
55°	0	9
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17976.4
1°	18010.5
2°	17993.6
3°	17931.9
4°	17813.6
5°	17621.9
6°	17357.9
7°	17002.8
8°	16558.2
9°	16046.6
10°	15477.6
11°	14880.9
12°	14261.8
13°	13643.3
14°	13068.7
15°	12522.9
16°	12021.9
17°	11537.8
18°	11087.6
19°	10665.9
20°	10260.3
21°	9866.2
22°	9494.6
23°	9123.6
24°	8735.3
25°	8346.6
26°	7952.5
27°	7502.5
28°	7007.0
29°	6501.0
30°	5971.7
31°	5403.4
32°	4834.3
33°	4271.7
34°	3703.4
35°	3196.7
37.5°	2043.0
40°	1182.0
42.5°	630.6
45°	293.0
47.5°	158.0
50°	51.0
52.5°	5.7
55°	0.0
57.5°	5.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.7
62.5°	0.0
65°	0.0
67.5°	5.7
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)