

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: P250118

Luminaire Tested: **LD8B175D010 ER8B175930 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175930 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13631.4 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

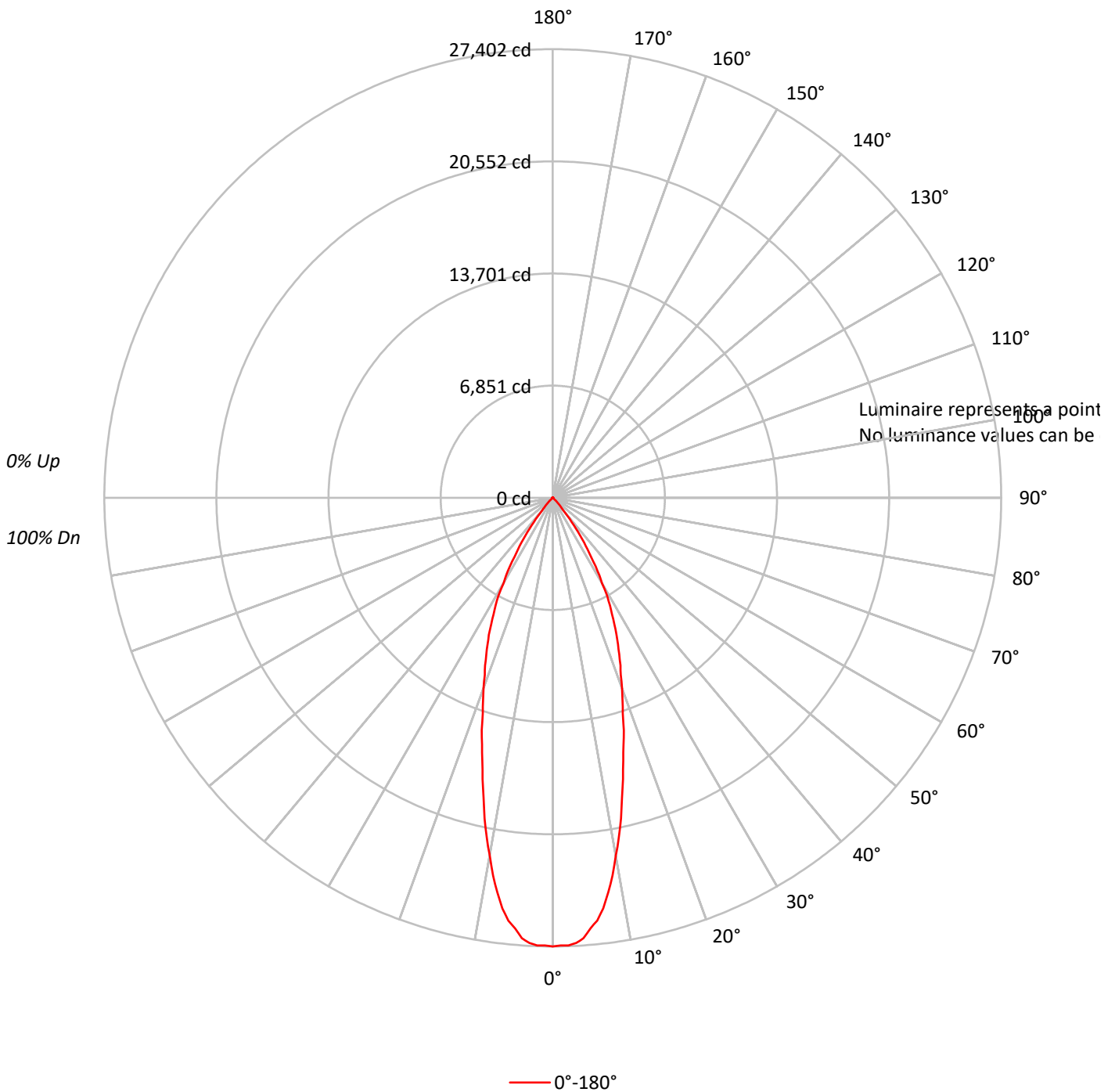
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2393.2	17.6
10°-20°	4637.5	34.0
20°-30°	4175.2	30.6
30°-40°	2065.7	15.2
40°-50°	314.2	2.3
50°-60°	12.9	0.1
60°-70°	16.6	0.1
70°-80°	6.3	0.0
80°-90°	9.7	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°	11205.9	82.2
0°-40°	13271.6	97.4
0°-60°	13598.7	99.8
0°-90°	13631.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13631.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27402	
5°	26399	###
15°	16614	4637
25°	9232	4175
35°	3344	2066
45°	347	314
55°	5	13
65°	10	17
75°	10	6
85°	14	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	27402.4
1°	27345.3
2°	27359.5
3°	27221.5
4°	26969.5
5°	26398.8
6°	25961.1
7°	25266.7
8°	24334.4
9°	23364.0
10°	22193.8
11°	21147.4
12°	20025.0
13°	18783.5
14°	17713.3
15°	16614.5
16°	15677.4
17°	14849.9
18°	13831.9
19°	13085.1
20°	12352.7
21°	11591.6
22°	11035.1
23°	10388.2
24°	9793.6
25°	9232.3
26°	8571.2
27°	7976.7
28°	7443.9
29°	6858.8
30°	6017.0
31°	5541.4
32°	4942.0
33°	4285.6
34°	3786.2
35°	3343.7
37.5°	2116.6
40°	956.1
42.5°	651.6
45°	347.2
47.5°	194.9
50°	4.8
52.5°	19.1
55°	4.8
57.5°	28.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	4.8
62.5°	23.9
65°	9.5
67.5°	23.9
70°	14.3
72.5°	4.8
75°	9.5
77.5°	0.0
80°	4.8
82.5°	19.1
85°	14.3
87.5°	0.0
90°	0.0

(END OF REPORT)