

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: P249867

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009730 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13972.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

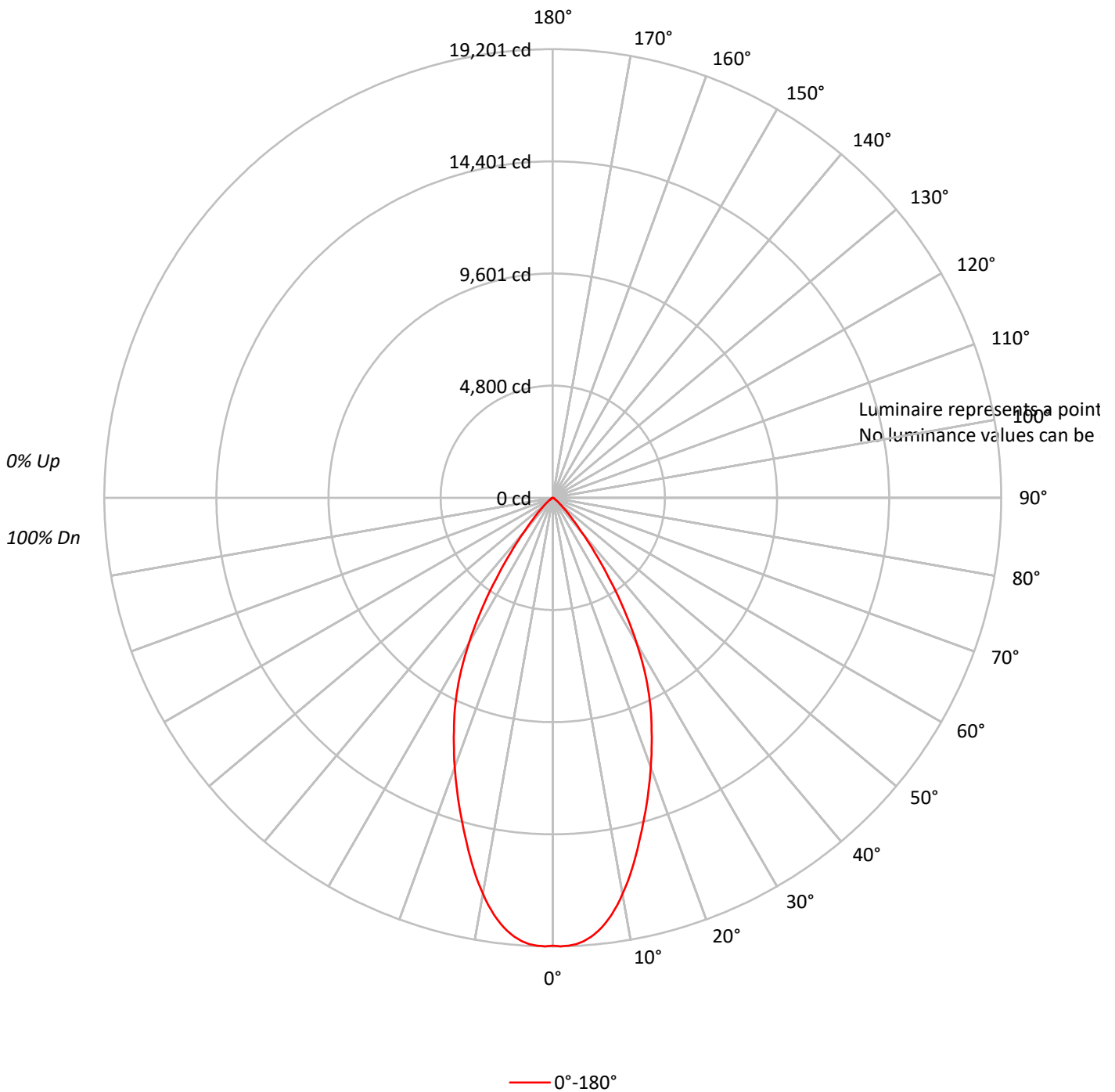
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1747.5	12.5
10°-20°	4102.6	29.4
20°-30°	4483.9	32.1
30°-40°	2668.3	19.1
40°-50°	731.9	5.2
50°-60°	165.8	1.2
60°-70°	51.2	0.4
70°-80°	15.6	0.1
80°-90°	5.1	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°	10334.0	74.0
0°-40°	13002.3	93.1
0°-60°	13900.1	99.5
0°-90°	13972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13972.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19164	
5°	18856	###
15°	14724	4103
25°	9906	4484
35°	4222	2668
45°	856	732
55°	166	166
65°	52	51
75°	14	16
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19163.5
1°	19201.3
2°	19177.7
3°	19130.4
4°	19021.7
5°	18856.2
6°	18643.4
7°	18359.7
8°	18028.7
9°	17645.7
10°	17215.5
11°	16756.8
12°	16265.1
13°	15759.2
14°	15234.3
15°	14723.7
16°	14222.5
17°	13730.8
18°	13239.0
19°	12747.3
20°	12269.8
22.5°	11068.8
25°	9905.6
27.5°	8624.3
30°	7201.1
32.5°	5673.9
35°	4222.3
37.5°	2936.2
40°	1948.0
42.5°	1276.6
45°	855.8
47.5°	567.4
50°	378.3
52.5°	231.7
55°	165.5
57.5°	118.2
60°	89.8
62.5°	66.2
65°	52.0
67.5°	33.1
70°	23.6
72.5°	18.9
75°	14.2
77.5°	9.5
80°	9.5



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.7
85°	4.7
87.5°	4.7
90°	0.0

(END OF REPORT)