

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: P250119

Luminaire Tested: **LD8B200D010 ER8B200930 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250119
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: LD8B200D010 ER8B200930 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: 16068.4 lumens
Efficiency: N/A
Efficacy: 72.0 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

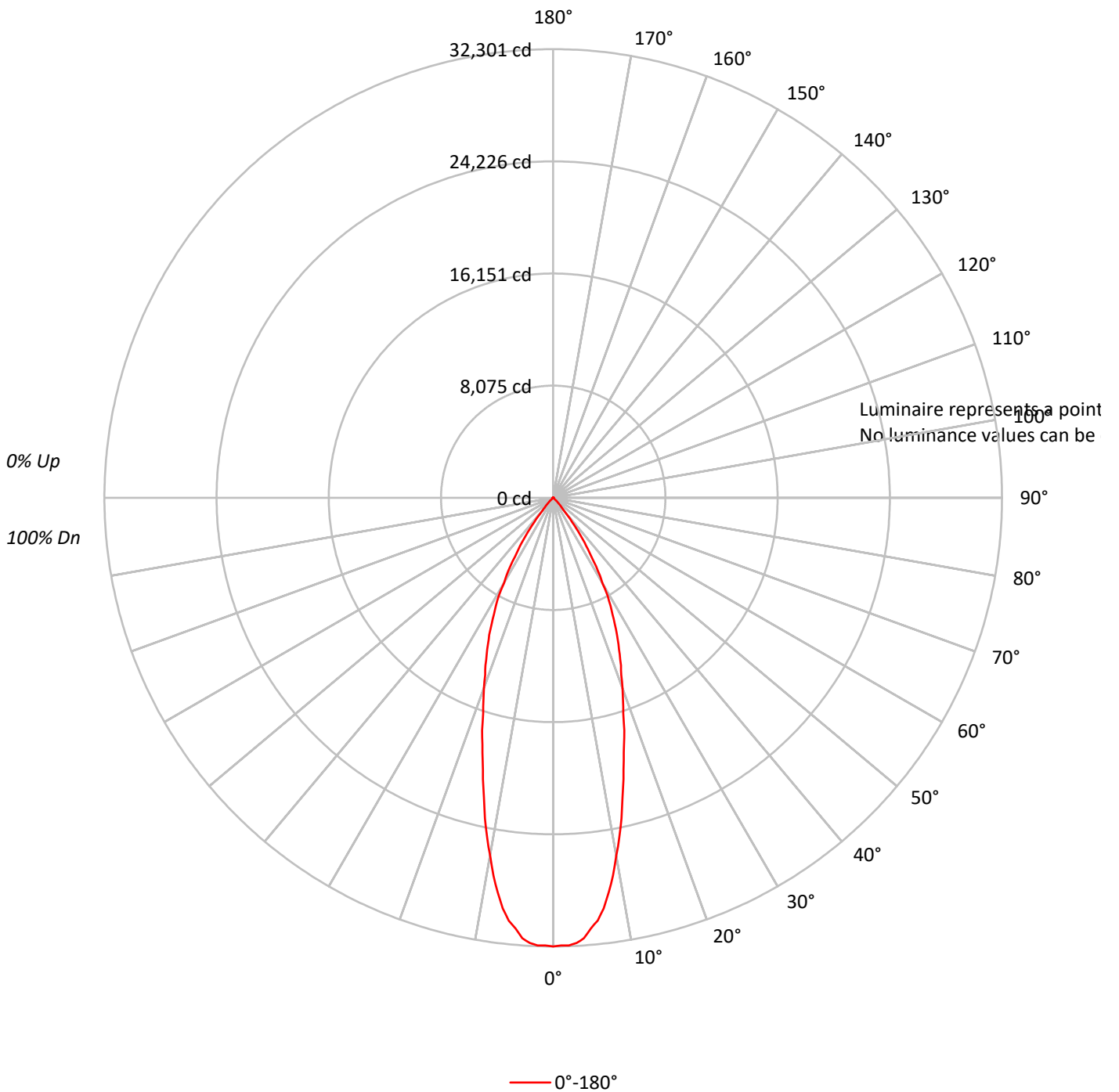
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2821.1	17.6
10°-20°	5466.6	34.0
20°-30°	4921.7	30.6
30°-40°	2435.0	15.2
40°-50°	370.4	2.3
50°-60°	15.2	0.1
60°-70°	19.6	0.1
70°-80°	7.4	0.0
80°-90°	11.5	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°	13209.3	82.2
0°-40°	15644.3	97.4
0°-60°	16029.9	99.8
0°-90°	16068.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16068.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	32301	
5°	31118	###
15°	19585	5467
25°	10883	4922
35°	3942	2435
45°	409	370
55°	6	15
65°	11	20
75°	11	7
85°	17	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	32301.4
1°	32234.1
2°	32250.8
3°	32088.2
4°	31791.2
5°	31118.4
6°	30602.5
7°	29784.0
8°	28685.0
9°	27541.1
10°	26161.7
11°	24928.2
12°	23605.1
13°	22141.7
14°	20880.1
15°	19584.9
16°	18480.2
17°	17504.8
18°	16304.8
19°	15424.5
20°	14561.2
21°	13664.0
22°	13008.0
23°	12245.5
24°	11544.5
25°	10882.9
26°	10103.6
27°	9402.8
28°	8774.7
29°	8085.1
30°	7092.7
31°	6532.1
32°	5825.5
33°	5051.8
34°	4463.0
35°	3941.5
37.5°	2494.9
40°	1127.1
42.5°	768.2
45°	409.3
47.5°	229.8
50°	5.6
52.5°	22.5
55°	5.6
57.5°	33.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.6
62.5°	28.1
65°	11.2
67.5°	28.1
70°	16.9
72.5°	5.6
75°	11.2
77.5°	0.0
80°	5.6
82.5°	22.5
85°	16.9
87.5°	0.0
90°	0.0

(END OF REPORT)