

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: P250784

Luminaire Tested: **LD8B200D010 ER8B200927 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200927 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16763.6 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

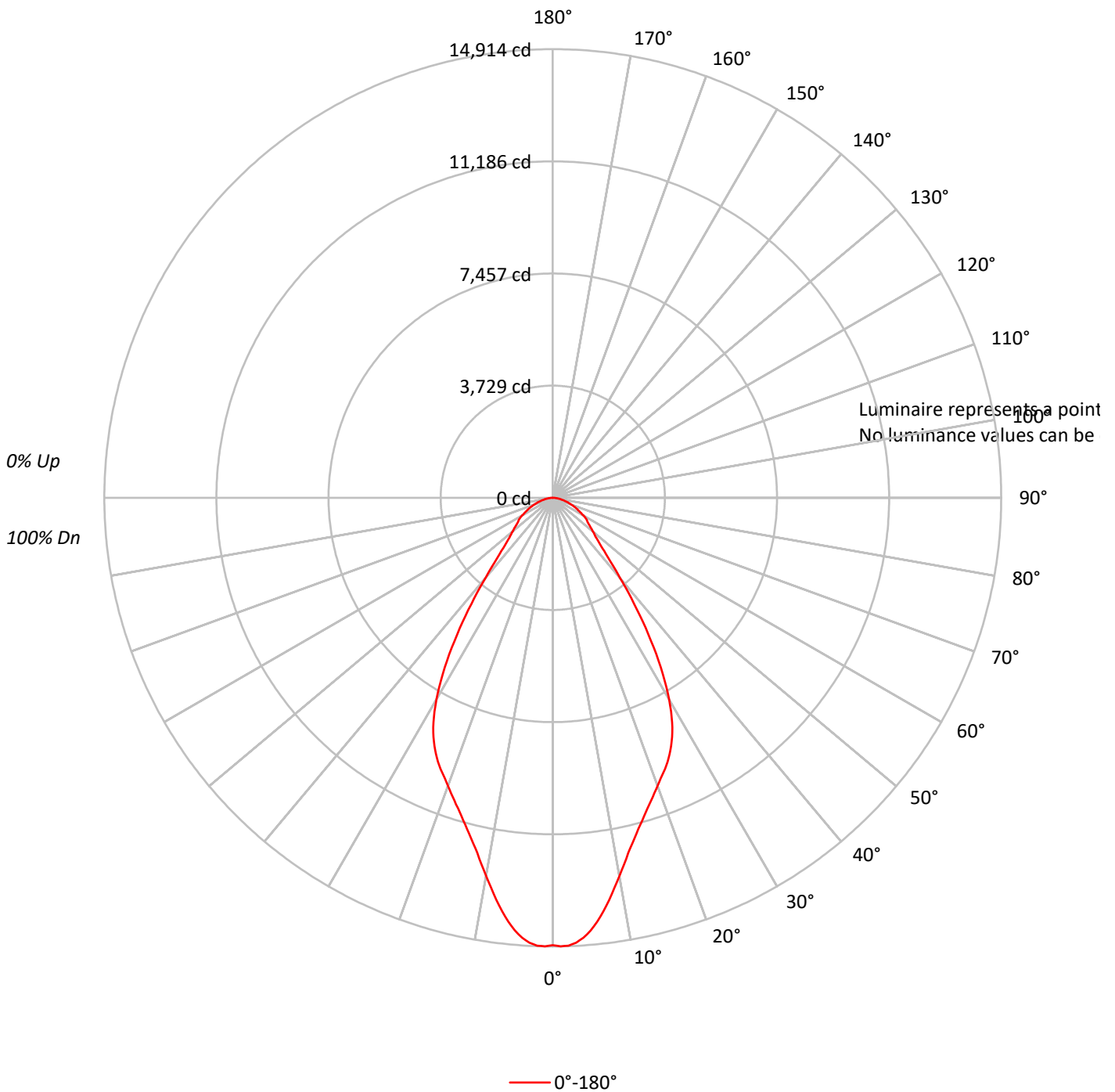
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250784

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBM0MW

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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):





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CATALOG NUMBER: LD8B200D010 ER8B200927 8LBM0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1321.5	7.9
10°-20°	3171.9	18.9
20°-30°	4203.3	25.1
30°-40°	3446.8	20.6
40°-50°	1835.8	11.0
50°-60°	1292.1	7.7
60°-70°	891.0	5.3
70°-80°	464.0	2.8
80°-90°	137.2	0.8
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°	8696.8	51.9
0°-40°	12143.6	72.4
0°-60°	15271.4	91.1
0°-90°	16763.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16763.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14870	
5°	14438	###
15°	11247	3172
25°	9259	4203
35°	5544	3447
45°	2265	1836
55°	1421	1292
65°	892	891
75°	441	464
85°	126	137
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14870.1
1°	14913.9
2°	14894.4
3°	14807.0
4°	14656.8
5°	14438.5
6°	14166.9
7°	13842.0
8°	13492.8
9°	13119.3
10°	12760.4
11°	12416.1
12°	12066.8
13°	11775.8
14°	11499.4
15°	11247.3
16°	11009.6
17°	10791.3
18°	10587.6
19°	10383.9
20°	10189.9
21°	10000.7
22°	9835.9
23°	9666.1
24°	9467.3
25°	9258.6
26°	9021.0
27°	8754.3
28°	8453.6
29°	8118.9
30°	7735.7
31°	7333.2
32°	6911.3
33°	6460.3
34°	6009.2
35°	5543.6
37.5°	4442.6
40°	3482.3
42.5°	2750.0
45°	2265.0
47.5°	1944.9
50°	1746.0
52.5°	1571.4
55°	1421.1
57.5°	1328.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	1173.7
62.5°	1023.3
65°	892.5
67.5°	776.0
70°	649.8
72.5°	543.2
75°	441.3
77.5°	320.1
80°	261.9
82.5°	189.1
85°	126.1
87.5°	58.2
90°	0.0

(END OF REPORT)