

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: P250693

Luminaire Tested: **LD8B200D010 ER8B200950 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200950 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17840.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

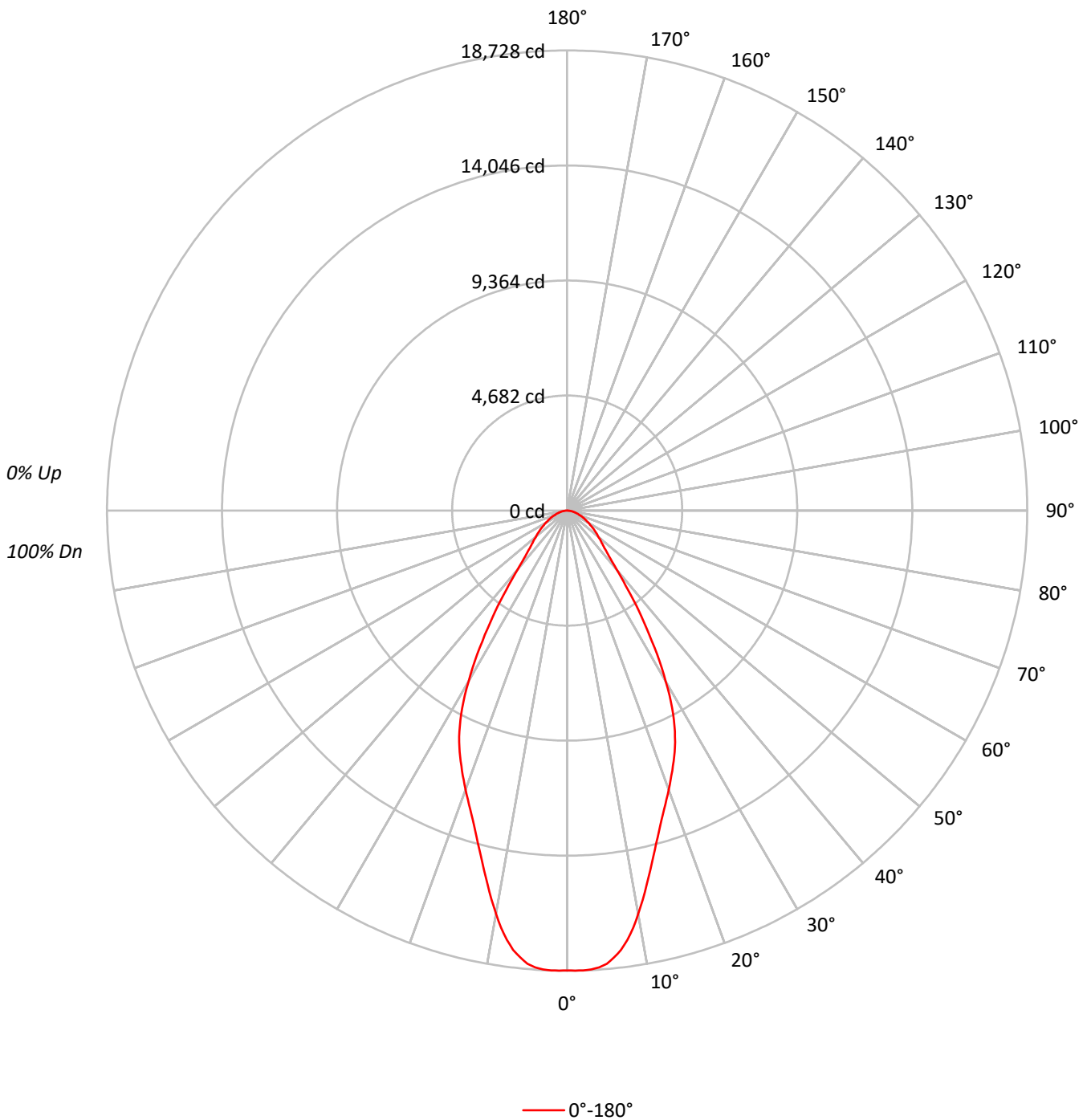
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	577151
5°	573007
10°	522065
15°	447589
20°	396570
25°	353851
30°	285783
35°	198434
40°	125802
45°	93337
50°	79745
55°	70083
60°	62487
65°	56074
70°	48244
75°	44095
80°	41429
85°	36265



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1708.6	9.6
10°-20°	3942.3	22.1
20°-30°	4698.6	26.3
30°-40°	3316.6	18.6
40°-50°	1712.8	9.6
50°-60°	1175.4	6.6
60°-70°	764.1	4.3
70°-80°	400.0	2.2
80°-90°	121.6	0.7
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°	10349.4	58.0
0°-40°	13666.1	76.6
0°-60°	16554.3	92.8
0°-90°	17840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17840.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18717	
5°	18512	###
15°	14020	3942
25°	10400	4699
35°	5271	3317
45°	2140	1713
55°	1304	1175
65°	768	764
75°	370	400
85°	102	122
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18716.6
1°	18728.0
2°	18728.0
3°	18699.4
4°	18636.9
5°	18511.5
6°	18289.6
7°	18016.4
8°	17640.6
9°	17185.4
10°	16673.0
11°	16132.2
12°	15568.5
13°	15027.9
14°	14504.2
15°	14020.4
16°	13570.7
17°	13155.2
18°	12779.4
19°	12426.4
20°	12084.9
21°	11749.0
22°	11418.9
23°	11088.8
24°	10753.0
25°	10400.0
26°	10001.4
27°	9568.8
28°	9096.4
29°	8595.5
30°	8026.1
31°	7474.1
32°	6910.4
33°	6329.9
34°	5794.7
35°	5271.3
37.5°	4058.7
40°	3125.2
42.5°	2516.1
45°	2140.3
47.5°	1872.7
50°	1662.3
52.5°	1480.1
55°	1303.6
57.5°	1144.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	1013.2
62.5°	882.4
65°	768.5
67.5°	665.9
70°	535.1
72.5°	461.2
75°	370.1
77.5°	301.6
80°	233.3
82.5°	170.8
85°	102.5
87.5°	56.8
90°	0.0

(END OF REPORT)