

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: P250350

Luminaire Tested: **LD8B200D010 ER8B200940 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200940 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15079.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

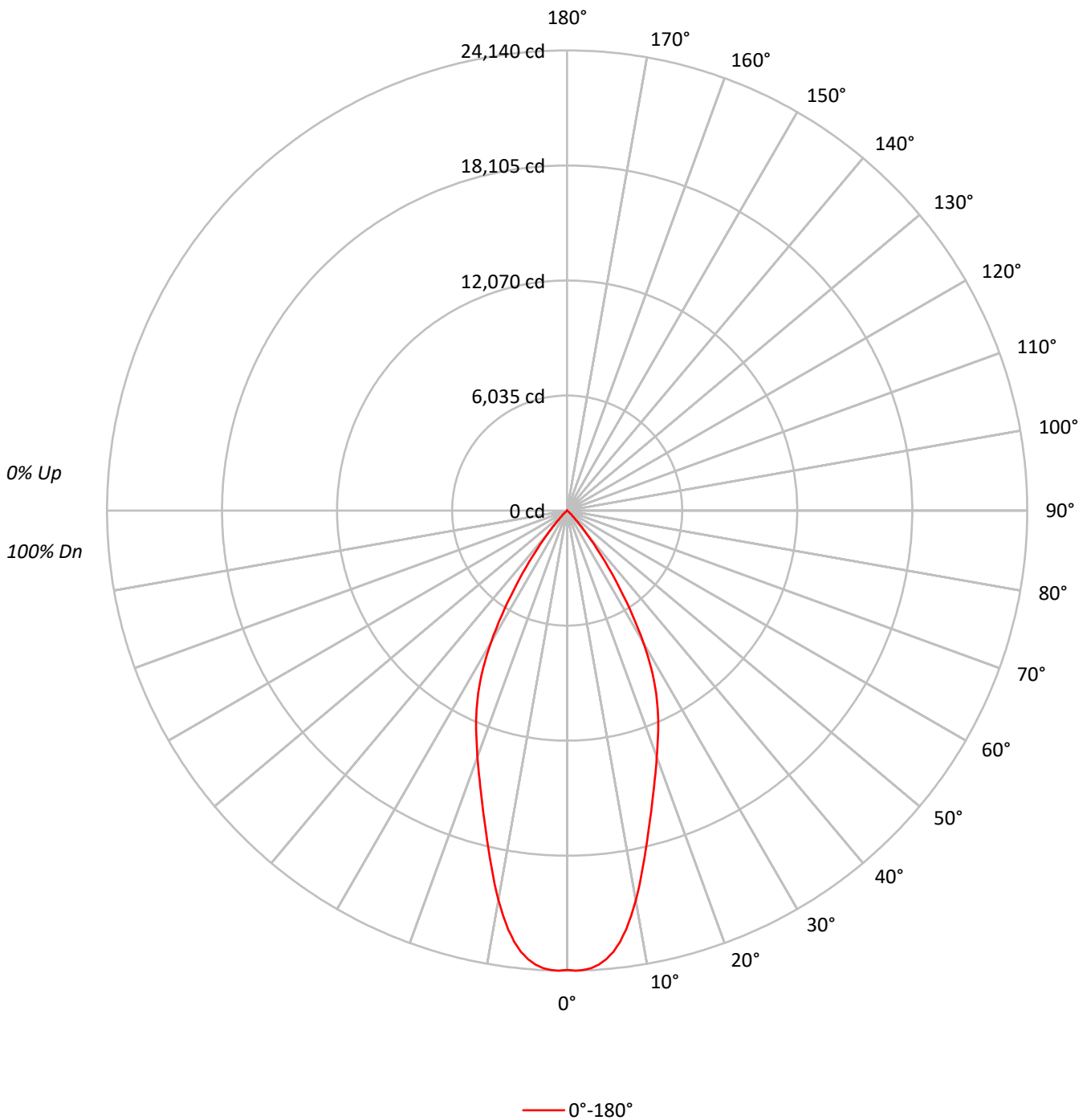
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	742995
5°	731120
10°	649587
15°	535852
20°	451293
25°	380641
30°	285003
35°	161290
40°	63774
45°	17121
50°	3281
55°	0
60°	475
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2163.0	14.3
10°-20°	4701.1	31.2
20°-30°	5047.0	33.5
30°-40°	2727.8	18.1
40°-50°	425.6	2.8
50°-60°	11.7	0.1
60°-70°	2.9	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	11911.1	79.0
0°-40°	14638.9	97.1
0°-60°	15076.1	100.0
0°-90°	15079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15079.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24095	
5°	23620	###
15°	16785	4701
25°	11187	5047
35°	4285	2728
45°	393	426
55°	0	12
65°	0	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	24094.8
1°	24140.5
2°	24117.8
3°	24035.2
4°	23876.5
5°	23619.5
6°	23265.7
7°	22789.7
8°	22193.9
9°	21508.1
10°	20745.6
11°	19945.7
12°	19115.9
13°	18286.9
14°	17516.6
15°	16785.2
16°	16113.6
17°	15464.8
18°	14861.2
19°	14296.1
20°	13752.5
21°	13224.3
22°	12726.0
23°	12228.9
24°	11708.3
25°	11187.4
26°	10659.2
27°	10056.0
28°	9391.8
29°	8713.7
30°	8004.2
31°	7242.4
32°	6479.8
33°	5725.7
34°	4963.9
35°	4284.6
37.5°	2738.4
40°	1584.3
42.5°	845.2
45°	392.6
47.5°	211.7
50°	68.4
52.5°	7.7
55°	0.0
57.5°	7.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	7.7
62.5°	0.0
65°	0.0
67.5°	7.7
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)