

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: P250294

Luminaire Tested: **LD8B200D010 ER8B200827 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250294
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 ER8B200827 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15883.0 lumens
Efficiency: N/A
Efficacy: 71.1 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

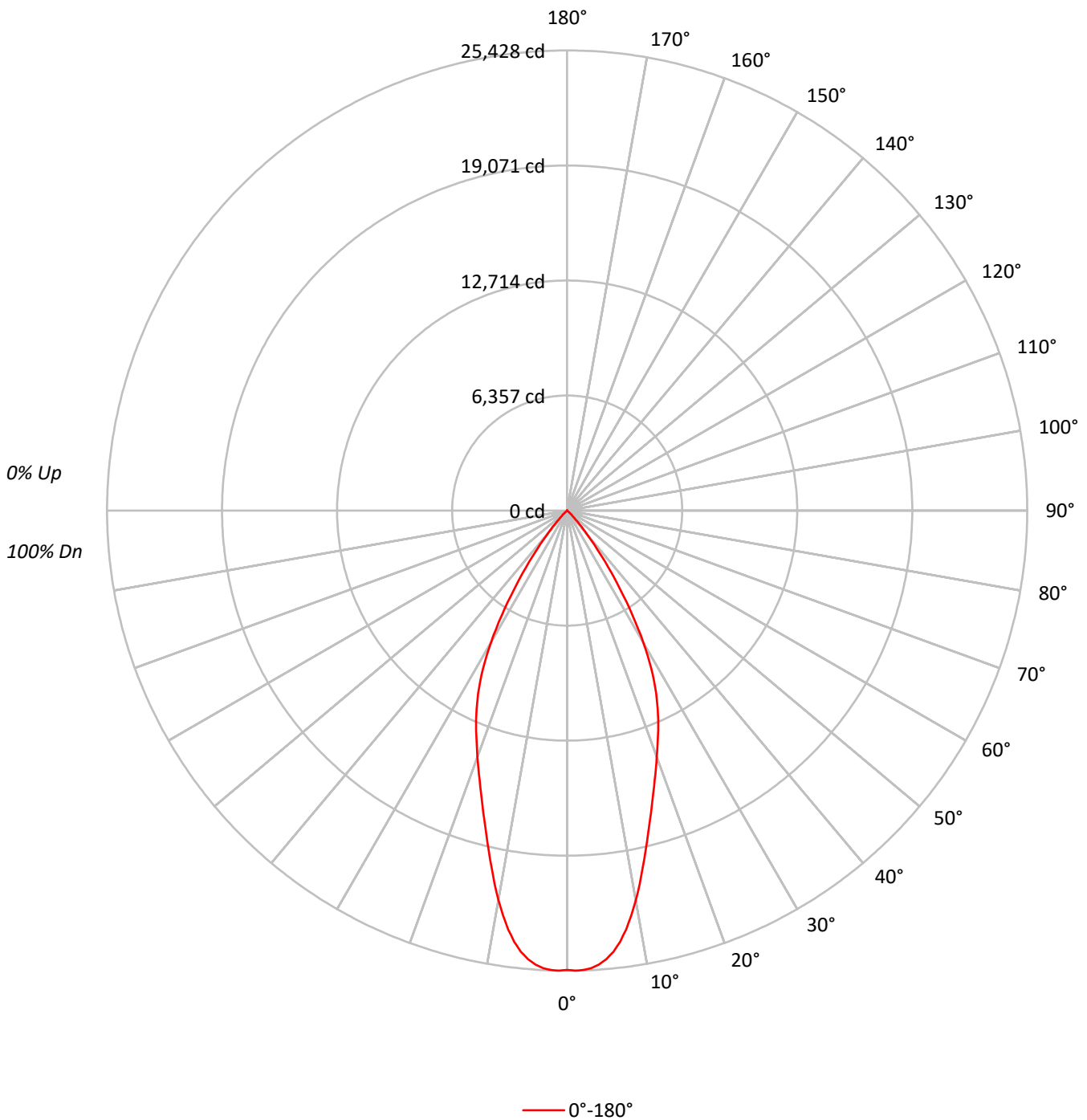
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	782610
5°	770104
10°	684221
15°	564421
20°	475356
25°	400937
30°	300200
35°	169892
40°	67176
45°	18037
50°	3454
55°	0
60°	500
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2278.3	14.3
10°-20°	4951.8	31.2
20°-30°	5316.1	33.5
30°-40°	2873.2	18.1
40°-50°	448.3	2.8
50°-60°	12.3	0.1
60°-70°	3.0	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°	12546.2	79.0
0°-40°	15419.4	97.1
0°-60°	15880.0	100.0
0°-90°	15883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15883.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25380	
5°	24879	###
15°	17680	4952
25°	11784	5316
35°	4513	2873
45°	414	448
55°	0	12
65°	0	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	25379.5
1°	25427.6
2°	25403.7
3°	25316.7
4°	25149.6
5°	24878.9
6°	24506.2
7°	24004.9
8°	23377.2
9°	22654.9
10°	21851.7
11°	21009.2
12°	20135.2
13°	19261.9
14°	18450.6
15°	17680.1
16°	16972.8
17°	16289.3
18°	15653.6
19°	15058.4
20°	14485.8
21°	13929.4
22°	13404.6
23°	12880.9
24°	12332.6
25°	11783.9
26°	11227.5
27°	10592.2
28°	9892.6
29°	9178.4
30°	8431.0
31°	7628.5
32°	6825.3
33°	6031.0
34°	5228.5
35°	4513.1
37.5°	2884.4
40°	1668.8
42.5°	890.2
45°	413.6
47.5°	223.0
50°	72.0
52.5°	8.1
55°	0.0
57.5°	8.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	8.1
62.5°	0.0
65°	0.0
67.5°	8.1
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)