

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: P250378

Luminaire Tested: **LD8B200D010 ER8B200827 8LBN0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250378
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 8LBN0B
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11540.0 lumens
Efficiency: N/A
Efficacy: 51.7 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

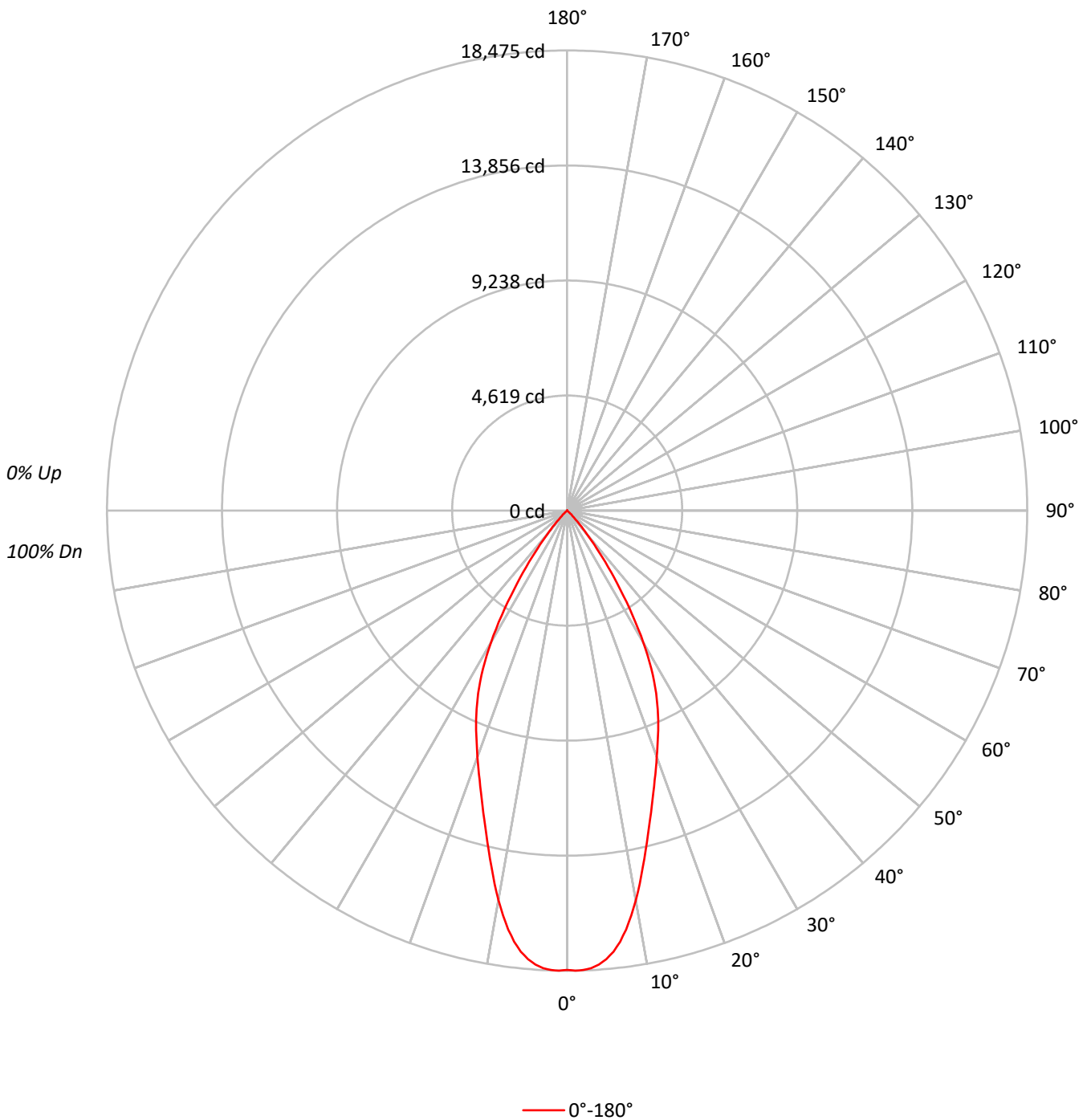
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	568615
5°	559529
10°	497128
15°	410087
20°	345375
25°	291308
30°	218112
35°	123439
40°	48808
45°	13105
50°	2509
55°	0
60°	364
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1655.3	14.3
10°-20°	3597.8	31.2
20°-30°	3862.5	33.5
30°-40°	2087.6	18.1
40°-50°	325.7	2.8
50°-60°	8.9	0.1
60°-70°	2.2	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°	9115.6	79.0
0°-40°	11203.2	97.1
0°-60°	11537.8	100.0
0°-90°	11540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11540.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18440	
5°	18076	###
15°	12846	3598
25°	8562	3862
35°	3279	2088
45°	300	326
55°	0	9
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18439.8
1°	18474.8
2°	18457.4
3°	18394.2
4°	18272.8
5°	18076.1
6°	17805.3
7°	17441.0
8°	16985.0
9°	16460.2
10°	15876.6
11°	15264.5
12°	14629.5
13°	13995.0
14°	13405.5
15°	12845.7
16°	12331.8
17°	11835.2
18°	11373.3
19°	10940.9
20°	10524.8
21°	10120.6
22°	9739.3
23°	9358.8
24°	8960.4
25°	8561.8
26°	8157.5
27°	7695.9
28°	7187.6
29°	6668.7
30°	6125.6
31°	5542.6
32°	4959.0
33°	4381.9
34°	3798.9
35°	3279.1
37.5°	2095.7
40°	1212.5
42.5°	646.8
45°	300.5
47.5°	162.0
50°	52.3
52.5°	5.9
55°	0.0
57.5°	5.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.9
62.5°	0.0
65°	0.0
67.5°	5.9
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)