

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: P249839

Luminaire Tested: **LD8B200D010 ER8B200935 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200935 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16175.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

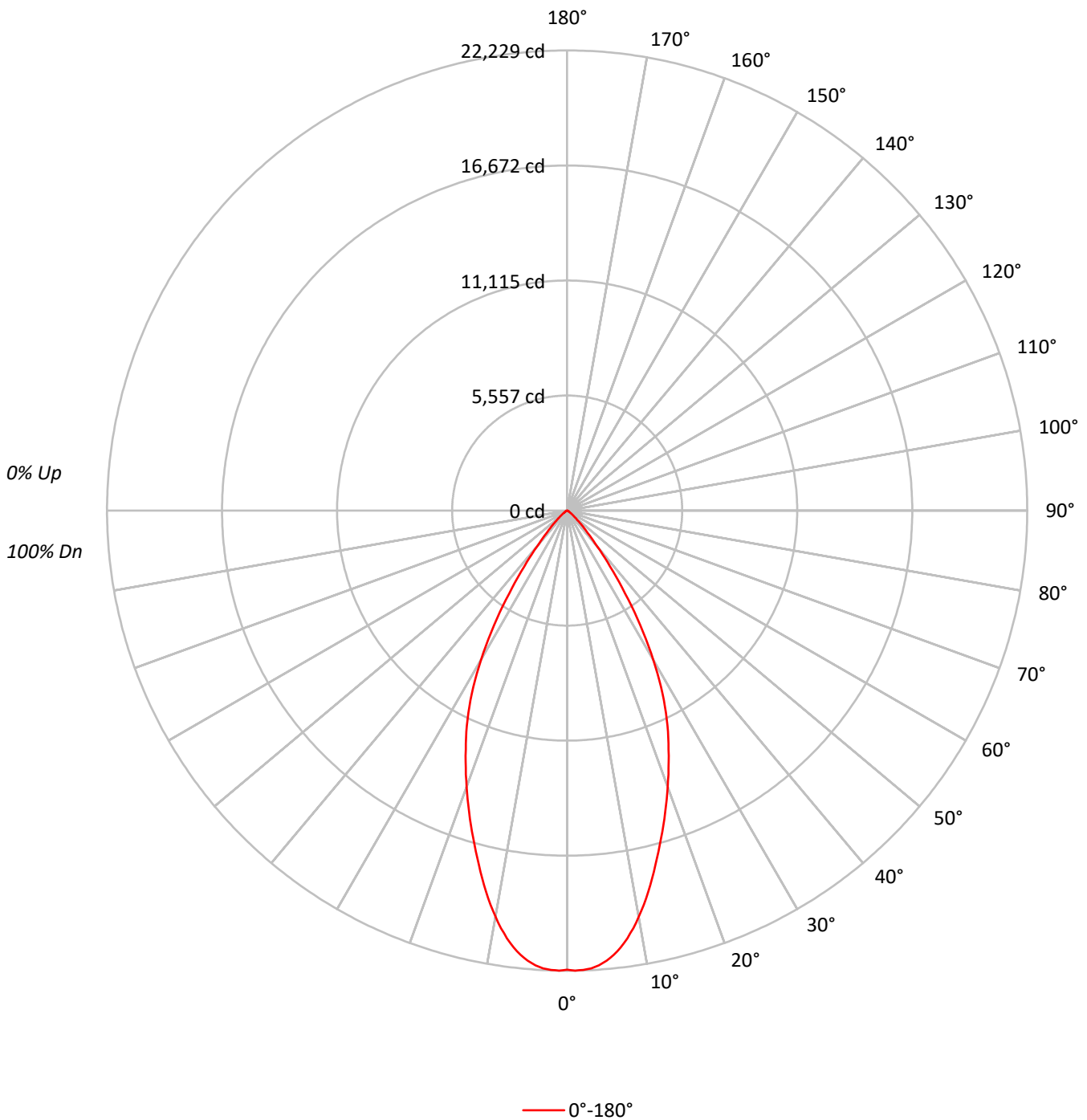
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	684107
5°	675706
10°	624045
15°	544153
20°	466122
25°	390171
30°	296835
35°	184005
40°	90781
45°	43204
50°	21007
55°	10301
60°	6414
65°	4392
70°	2470
75°	1954
80°	1936
85°	1946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2023.0	12.5
10°-20°	4749.5	29.4
20°-30°	5190.9	32.1
30°-40°	3089.0	19.1
40°-50°	847.3	5.2
50°-60°	191.9	1.2
60°-70°	59.3	0.4
70°-80°	18.0	0.1
80°-90°	6.0	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°	11963.4	74.0
0°-40°	15052.5	93.1
0°-60°	16091.7	99.5
0°-90°	16175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16175.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22185	
5°	21829	###
15°	17045	4749
25°	11468	5191
35°	4888	3089
45°	991	847
55°	192	192
65°	60	59
75°	16	18
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22185.1
1°	22228.9
2°	22201.5
3°	22146.7
4°	22020.9
5°	21829.3
6°	21583.0
7°	21254.5
8°	20871.4
9°	20428.0
10°	19929.9
11°	19398.9
12°	18829.7
13°	18244.0
14°	17636.4
15°	17045.2
16°	16465.0
17°	15895.7
18°	15326.5
19°	14757.2
20°	14204.4
22.5°	12814.0
25°	11467.5
27.5°	9984.1
30°	8336.5
32.5°	6568.5
35°	4888.0
37.5°	3399.2
40°	2255.2
42.5°	1477.9
45°	990.7
47.5°	656.8
50°	437.9
52.5°	268.2
55°	191.6
57.5°	136.8
60°	104.0
62.5°	76.6
65°	60.2
67.5°	38.3
70°	27.4
72.5°	21.9
75°	16.4
77.5°	10.9
80°	10.9



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	5.5
85°	5.5
87.5°	5.5
90°	0.0

(END OF REPORT)