

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: P250735

Luminaire Tested: **LD8B200D010 ER8B200840 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200840 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21261.0 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

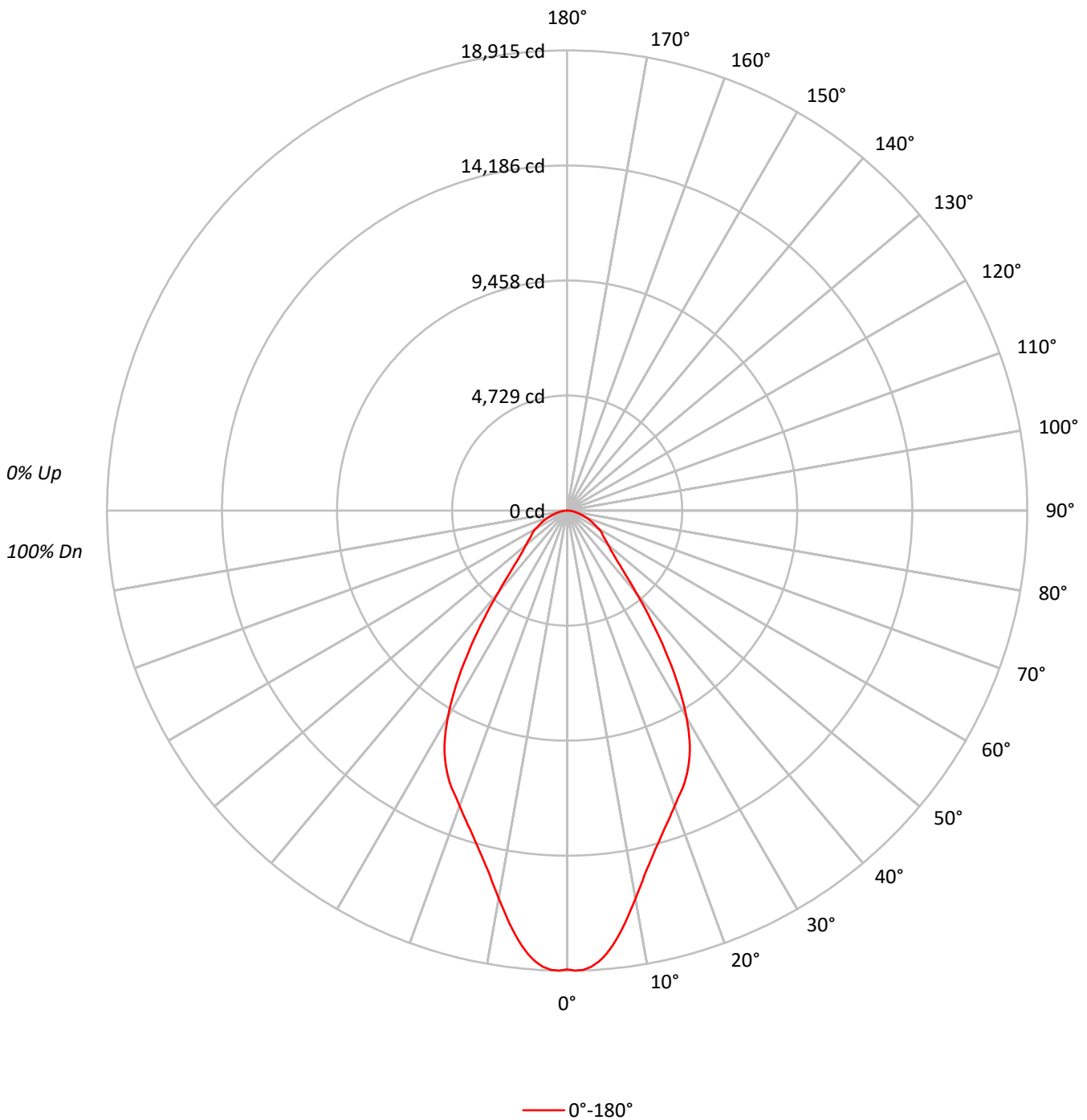
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250735

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBM0MW

Luminous Intensity Polar Plot





TEST NUMBER: P250735

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBM0MW

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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	581561
5°	566832
10°	506747
15°	455388
20°	424092
25°	399531
30°	349341
35°	264669
40°	177786
45°	125272
50°	106231
55°	96894
60°	91800
65°	82582
70°	74309
75°	66684
80°	58992
85°	56609



TEST NUMBER: P250735

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBM0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1676.1	7.9
10°-20°	4022.8	18.9
20°-30°	5331.0	25.1
30°-40°	4371.5	20.6
40°-50°	2328.3	11.0
50°-60°	1638.7	7.7
60°-70°	1130.0	5.3
70°-80°	588.5	2.8
80°-90°	174.1	0.8
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°	11029.9	51.9
0°-40°	15401.5	72.4
0°-60°	19368.4	91.1
0°-90°	21261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21261.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18860	
5°	18312	###
15°	14265	4023
25°	11743	5331
35°	7031	4372
45°	2873	2328
55°	1802	1639
65°	1132	1130
75°	560	588
85°	160	174
90°	0	



TEST NUMBER: P250735

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBM0MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	18859.6
1°	18915.0
2°	18890.3
3°	18779.5
4°	18589.0
5°	18312.0
6°	17967.7
7°	17555.6
8°	17112.6
9°	16639.0
10°	16183.8
11°	15747.1
12°	15304.1
13°	14935.1
14°	14584.5
15°	14264.7
16°	13963.2
17°	13686.4
18°	13428.0
19°	13169.7
20°	12923.6
21°	12683.7
22°	12474.7
23°	12259.3
24°	12007.2
25°	11742.6
26°	11441.3
27°	11102.9
28°	10721.5
29°	10297.1
30°	9811.1
31°	9300.6
32°	8765.5
33°	8193.4
34°	7621.3
35°	7030.8
37.5°	5634.5
40°	4416.6
42.5°	3487.8
45°	2872.6
47.5°	2466.7
50°	2214.4
52.5°	1993.0
55°	1802.3
57.5°	1685.4



TEST NUMBER: P250735

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBM0MW

CANDELA DISTRIBUTION (continued):

	0°
60°	1488.5
62.5°	1297.8
65°	1131.8
67.5°	984.2
70°	824.2
72.5°	688.9
75°	559.7
77.5°	405.9
80°	332.2
82.5°	239.9
85°	160.0
87.5°	73.8
90°	0.0

(END OF REPORT)