

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: P247843

Luminaire Tested: **LD8B200D010 ER8B200830 8LBMOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200830 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21244.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

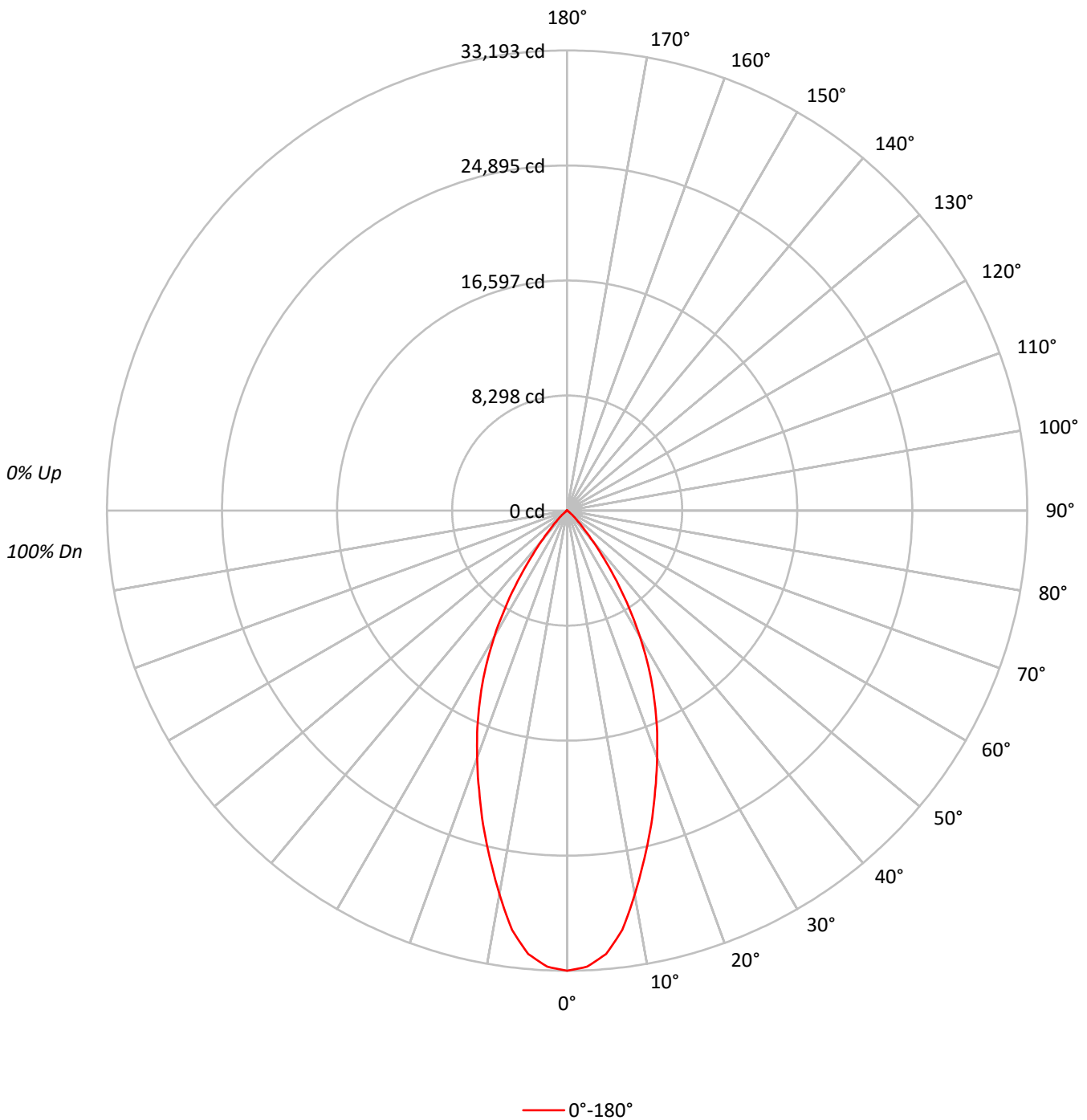
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P247843

CATALOG NUMBER: LD8B200D010 ER8B200830 8LBM0LI

Luminous Intensity Polar Plot





TEST NUMBER: P247843

CATALOG NUMBER: LD8B200D010 ER8B200830 8LBM0LI

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	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1023541
5°	994175
10°	879846
15°	747844
20°	622661
25°	503564
30°	374244
35°	233601
40°	115034
45°	48663
50°	17620
55°	5435
60°	2923
65°	1211
70°	1271
75°	310
80°	462
85°	0



TEST NUMBER: P247843

CATALOG NUMBER: LD8B200D010 ER8B200830 8LBM0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2937.4	13.8
10°-20°	6515.8	30.7
20°-30°	6730.9	31.7
30°-40°	3924.0	18.5
40°-50°	983.3	4.6
50°-60°	119.2	0.6
60°-70°	24.9	0.1
70°-80°	3.2	0.0
80°-90°	5.2	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°	16184.2	76.2
0°-40°	20108.1	94.7
0°-60°	21210.7	99.8
0°-90°	21244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21244.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33193	
5°	32118	###
15°	23426	6516
25°	14800	6731
35°	6206	3924
45°	1116	983
55°	101	119
65°	17	25
75°	3	3
85°	0	5
90°	0	



TEST NUMBER: P247843

CATALOG NUMBER: LD8B200D010 ER8B200830 8LBM0LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	33192.7
2.5°	32935.4
5°	32117.7
7.5°	30507.8
10°	28099.3
12.5°	25713.9
15°	23425.7
17.5°	21129.8
20°	18974.7
22.5°	16904.1
25°	14800.2
27.5°	12707.8
30°	10510.5
32.5°	8342.6
35°	6205.5
37.5°	4360.1
40°	2857.7
42.5°	1800.6
45°	1115.9
47.5°	680.8
50°	367.3
52.5°	179.2
55°	101.1
57.5°	55.0
60°	47.4
62.5°	33.3
65°	16.6
67.5°	20.5
70°	14.1
72.5°	0.0
75°	2.6
77.5°	1.3
80°	2.6
82.5°	3.8
85°	0.0
87.5°	14.1
90°	0.0

(END OF REPORT)