

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: P250721

Luminaire Tested: **LD8B200D010 ER8B200830 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250721
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 ER8B200830 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20580.0 lumens
Efficiency: N/A
Efficacy: 92.2 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

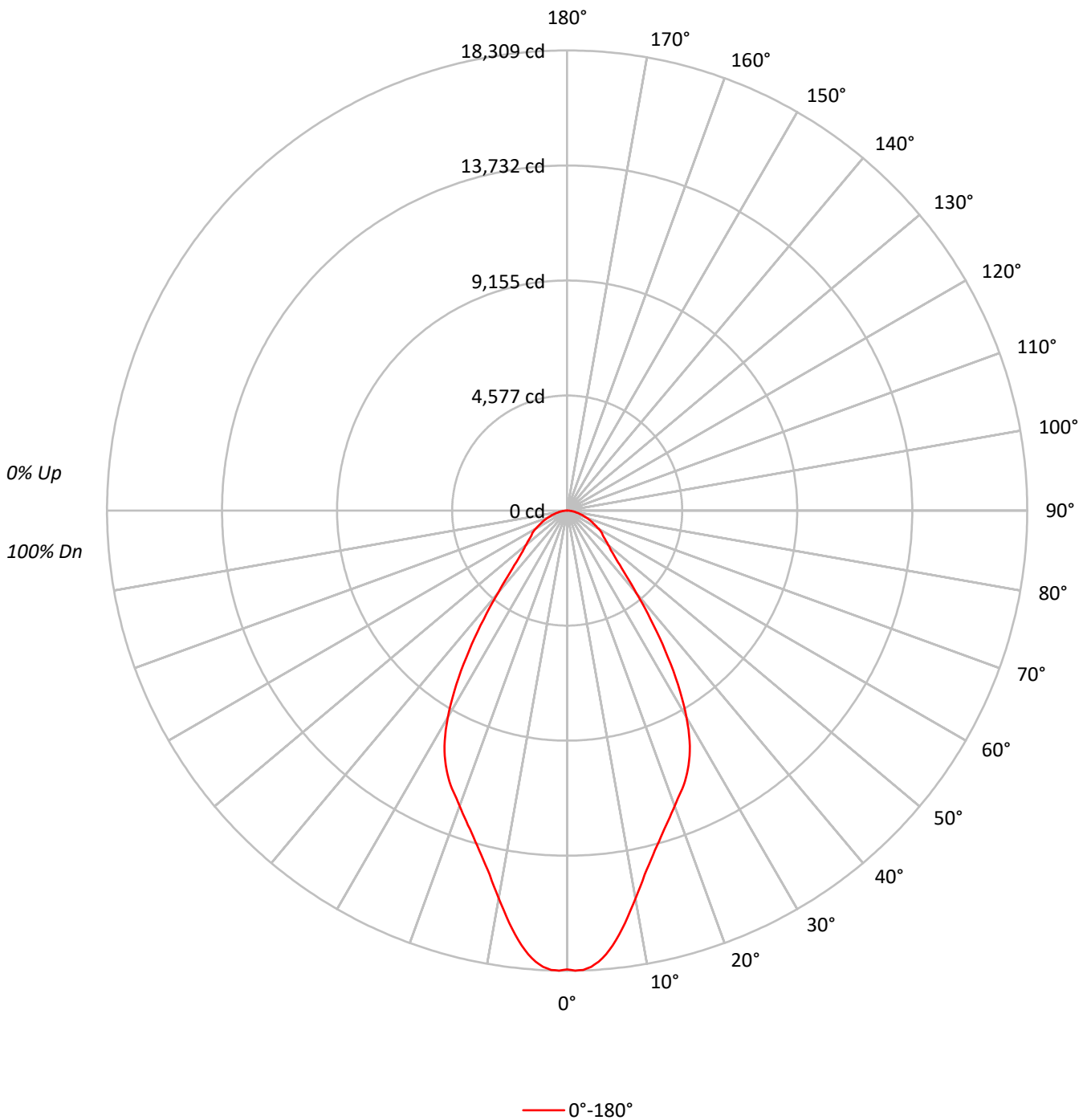
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	562932
5°	548677
10°	490518
15°	440802
20°	410510
25°	386735
30°	338153
35°	256191
40°	172090
45°	121260
50°	102830
55°	93792
60°	88864
65°	79940
70°	71929
75°	64551
80°	57092
85°	54805



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1622.4	7.9
10°-20°	3894.0	18.9
20°-30°	5160.3	25.1
30°-40°	4231.5	20.6
40°-50°	2253.7	11.0
50°-60°	1586.2	7.7
60°-70°	1093.8	5.3
70°-80°	569.6	2.8
80°-90°	168.5	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°	10676.7	51.9
0°-40°	14908.2	72.4
0°-60°	18748.1	91.1
0°-90°	20580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20580.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18256	
5°	17726	###
15°	13808	3894
25°	11366	5160
35°	6806	4231
45°	2781	2254
55°	1745	1586
65°	1096	1094
75°	542	570
85°	155	168
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18255.5
1°	18309.1
2°	18285.2
3°	18178.0
4°	17993.6
5°	17725.5
6°	17392.2
7°	16993.3
8°	16564.5
9°	16106.0
10°	15665.5
11°	15242.7
12°	14813.9
13°	14456.7
14°	14117.4
15°	13807.8
16°	13516.0
17°	13248.0
18°	12997.9
19°	12747.9
20°	12509.7
21°	12277.5
22°	12075.1
23°	11866.6
24°	11622.6
25°	11366.5
26°	11074.8
27°	10747.3
28°	10378.1
29°	9967.3
30°	9496.9
31°	9002.7
32°	8484.8
33°	7931.0
34°	7377.2
35°	6805.6
37.5°	5454.0
40°	4275.1
42.5°	3376.0
45°	2780.6
47.5°	2387.7
50°	2143.5
52.5°	1929.2
55°	1744.6
57.5°	1631.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	1440.9
62.5°	1256.3
65°	1095.6
67.5°	952.7
70°	797.8
72.5°	666.8
75°	541.8
77.5°	392.9
80°	321.5
82.5°	232.2
85°	154.9
87.5°	71.4
90°	0.0

(END OF REPORT)