

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: P250742

Luminaire Tested: **LD8B200D010 ER8B200850 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250742
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 ER8B200850 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21677.0 lumens
Efficiency: N/A
Efficacy: 97.1 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

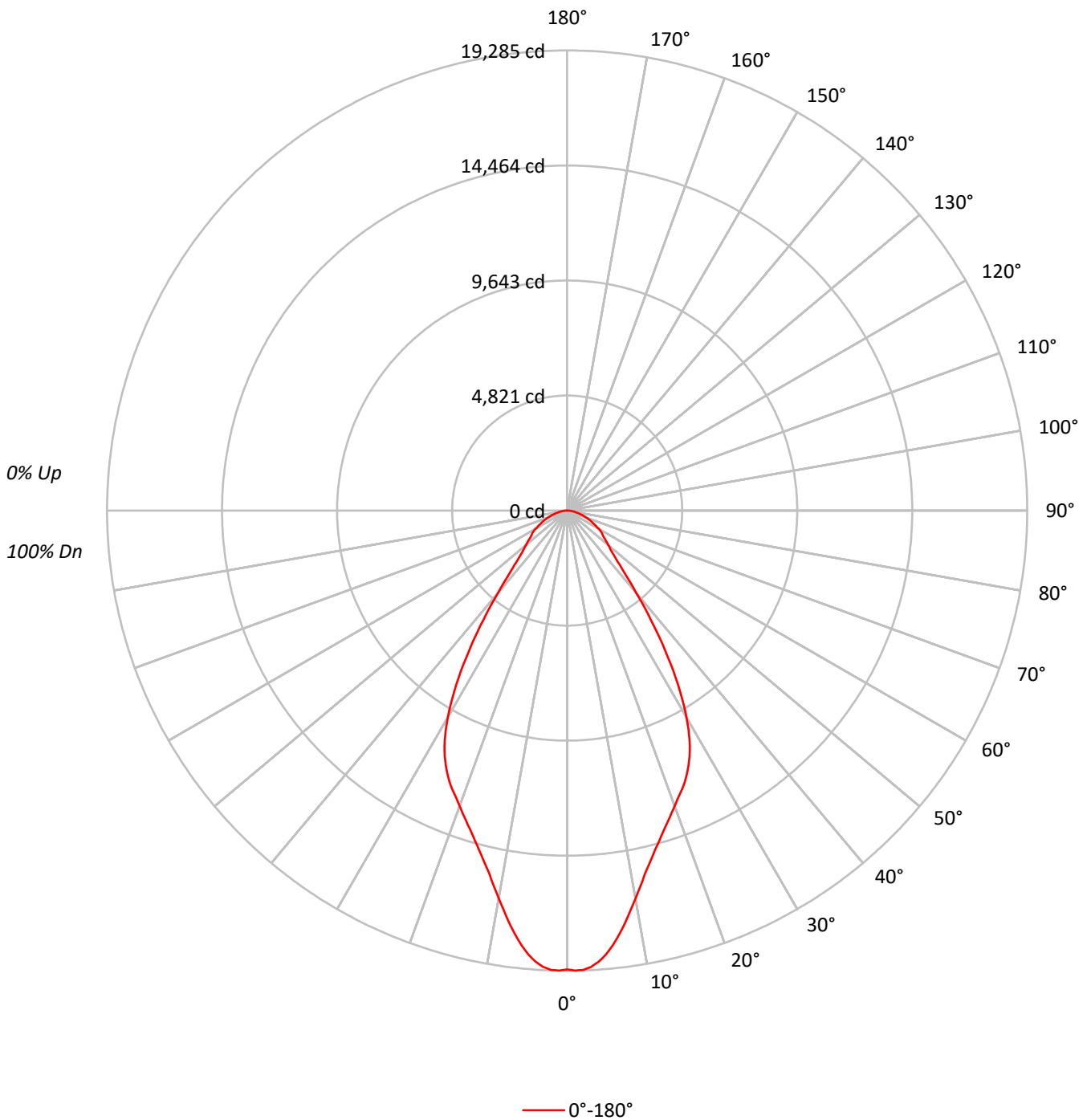
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	592939
5°	577922
10°	516664
15°	464298
20°	432391
25°	407350
30°	356177
35°	269845
40°	181264
45°	127722
50°	108313
55°	98792
60°	93601
65°	84202
70°	75761
75°	67995
80°	60146
85°	57706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1708.9	7.9
10°-20°	4101.5	18.9
20°-30°	5435.3	25.1
30°-40°	4457.0	20.6
40°-50°	2373.8	11.0
50°-60°	1670.8	7.7
60°-70°	1152.1	5.3
70°-80°	600.0	2.8
80°-90°	177.5	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°	11245.8	51.9
0°-40°	15702.8	72.4
0°-60°	19747.4	91.1
0°-90°	21677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21677.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19229	
5°	18670	###
15°	14544	4102
25°	11972	5435
35°	7168	4457
45°	2929	2374
55°	1838	1671
65°	1154	1152
75°	571	600
85°	163	177
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19228.6
1°	19285.1
2°	19259.9
3°	19147.0
4°	18952.7
5°	18670.3
6°	18319.2
7°	17899.1
8°	17447.5
9°	16964.5
10°	16500.5
11°	16055.2
12°	15603.6
13°	15227.3
14°	14869.9
15°	14543.8
16°	14236.4
17°	13954.2
18°	13690.7
19°	13427.4
20°	13176.5
21°	12931.9
22°	12718.8
23°	12499.2
24°	12242.1
25°	11972.4
26°	11665.1
27°	11320.2
28°	10931.3
29°	10498.6
30°	10003.1
31°	9482.6
32°	8937.0
33°	8353.7
34°	7770.5
35°	7168.3
37.5°	5744.7
40°	4503.0
42.5°	3556.0
45°	2928.8
47.5°	2515.0
50°	2257.8
52.5°	2032.0
55°	1837.6
57.5°	1718.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	1517.7
62.5°	1323.2
65°	1154.0
67.5°	1003.4
70°	840.3
72.5°	702.4
75°	570.7
77.5°	413.9
80°	338.7
82.5°	244.6
85°	163.1
87.5°	75.2
90°	0.0

(END OF REPORT)