

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: P250595

Luminaire Tested: **LD8B200D010 ER8B200935 8LBM0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250595  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200935 8LBM0B  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11605.0 lumens  
Efficiency: N/A  
Efficacy: 52.0 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

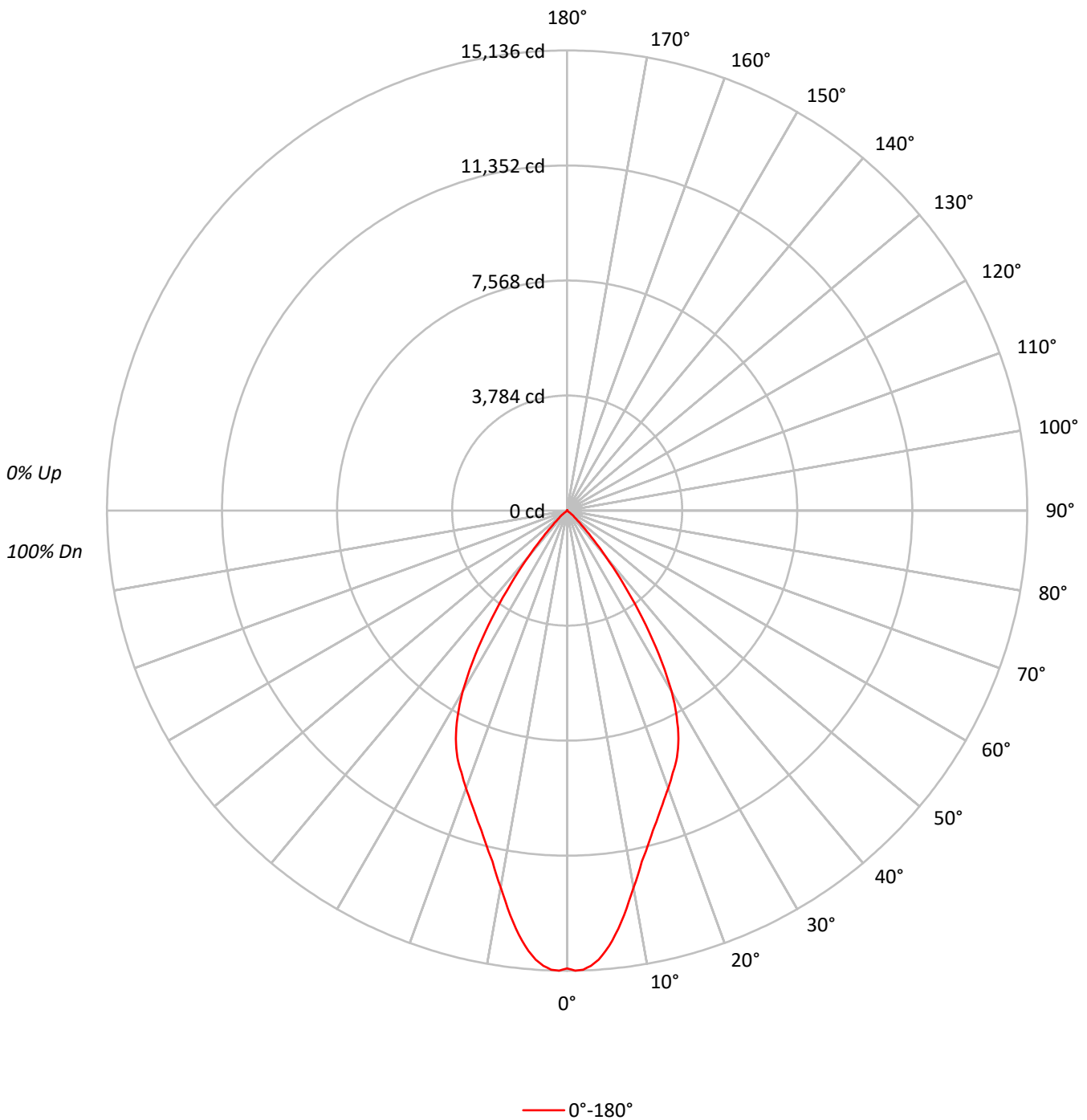
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	464330
5°	450131
10°	394225
15°	348046
20°	318929
25°	293662
30°	244419
35°	162344
40°	79010
45°	28616
50°	8611
55°	608
60°	0
65°	409
70°	0
75°	0
80°	994
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1322.6	11.4
10°-20°	3071.5	26.5
20°-30°	3896.7	33.6
30°-40°	2669.5	23.0
40°-50°	608.4	5.2
50°-60°	30.3	0.3
60°-70°	1.4	0.0
70°-80°	2.2	0.0
80°-90°	2.3	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°	8290.9	71.4
0°-40°	10960.4	94.4
0°-60°	11599.1	99.9
0°-90°	11605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11605.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15058	
5°	14542	###
15°	10902	3072
25°	8631	3897
35°	4313	2670
45°	656	608
55°	11	30
65°	6	1
75°	0	2
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	15057.9
1°	15136.4
2°	15108.2
3°	14996.1
4°	14805.4
5°	14541.9
6°	14222.2
7°	13852.1
8°	13442.7
9°	13005.2
10°	12590.2
11°	12208.9
12°	11799.6
13°	11502.3
14°	11188.2
15°	10902.3
16°	10644.3
17°	10391.8
18°	10156.3
19°	9926.3
20°	9718.9
21°	9505.8
22°	9287.0
23°	9096.4
24°	8883.3
25°	8631.0
26°	8350.5
27°	8025.3
28°	7677.6
29°	7290.6
30°	6864.4
31°	6382.0
32°	5883.0
33°	5361.4
34°	4828.6
35°	4312.6
37.5°	3045.2
40°	1962.8
42.5°	1155.3
45°	656.2
47.5°	353.3
50°	179.5
52.5°	33.6
55°	11.3
57.5°	5.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	5.6
67.5°	0.0
70°	0.0
72.5°	5.6
75°	0.0
77.5°	0.0
80°	5.6
82.5°	0.0
85°	0.0
87.5°	5.6
90°	0.0

(END OF REPORT)