

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: P248026

Luminaire Tested: **LD8B200D010 ER8B200835 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200835 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20439.0 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

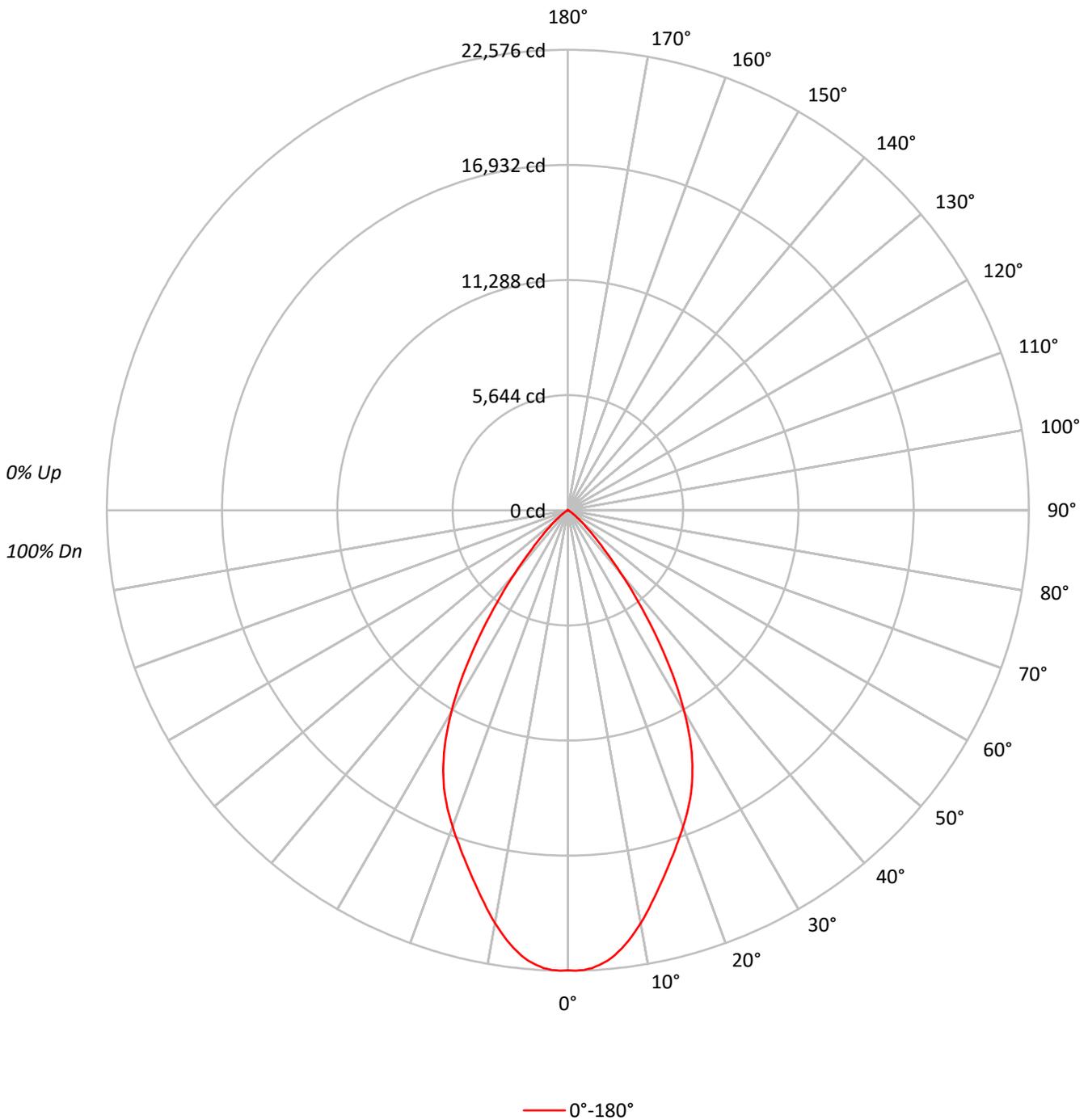
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

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

	0°
0°	695217
5°	686265
10°	643343
15°	588317
20°	541600
25°	490774
30°	406386
35°	285015
40°	162199
45°	79547
50°	39261
55°	17800
60°	8474
65°	4560
70°	568
75°	751
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2063.2	10.1
10°-20°	5173.3	25.3
20°-30°	6530.5	32.0
30°-40°	4697.9	23.0
40°-50°	1554.9	7.6
50°-60°	338.7	1.7
60°-70°	69.8	0.3
70°-80°	7.4	0.0
80°-90°	3.4	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°	13766.9	67.4
0°-40°	18464.8	90.3
0°-60°	20358.4	99.6
0°-90°	20439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20439.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	22545	
5°	22170	###
15°	18429	5173
25°	14424	6531
35°	7571	4698
45°	1824	1555
55°	331	339
65°	62	70
75°	6	7
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	22545.4
1°	22576.5
2°	22551.5
3°	22476.6
4°	22339.2
5°	22170.4
6°	21939.3
7°	21639.5
8°	21308.3
9°	20946.1
10°	20546.2
11°	20140.2
12°	19696.6
13°	19271.9
14°	18840.8
15°	18428.6
16°	18022.4
17°	17635.1
18°	17247.9
19°	16879.3
20°	16504.5
21°	16123.4
22°	15748.6
23°	15342.5
24°	14905.3
25°	14424.3
26°	13918.2
27°	13356.0
28°	12762.6
29°	12100.3
30°	11413.2
31°	10688.6
32°	9926.4
33°	9126.9
34°	8345.9
35°	7571.3
37.5°	5684.8
40°	4029.4
42.5°	2730.0
45°	1824.1
47.5°	1224.4
50°	818.4
52.5°	493.6
55°	331.1
57.5°	231.1



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	137.4
62.5°	93.7
65°	62.5
67.5°	56.2
70°	6.3
72.5°	12.5
75°	6.3
77.5°	6.3
80°	0.0
82.5°	12.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)