

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: P250567

Luminaire Tested: **LD8B200D010 ER8B200840 8LBM0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250567  
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 ER8B200840 8LBM0B  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13519.0 lumens  
Efficiency: N/A  
Efficacy: 60.5 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

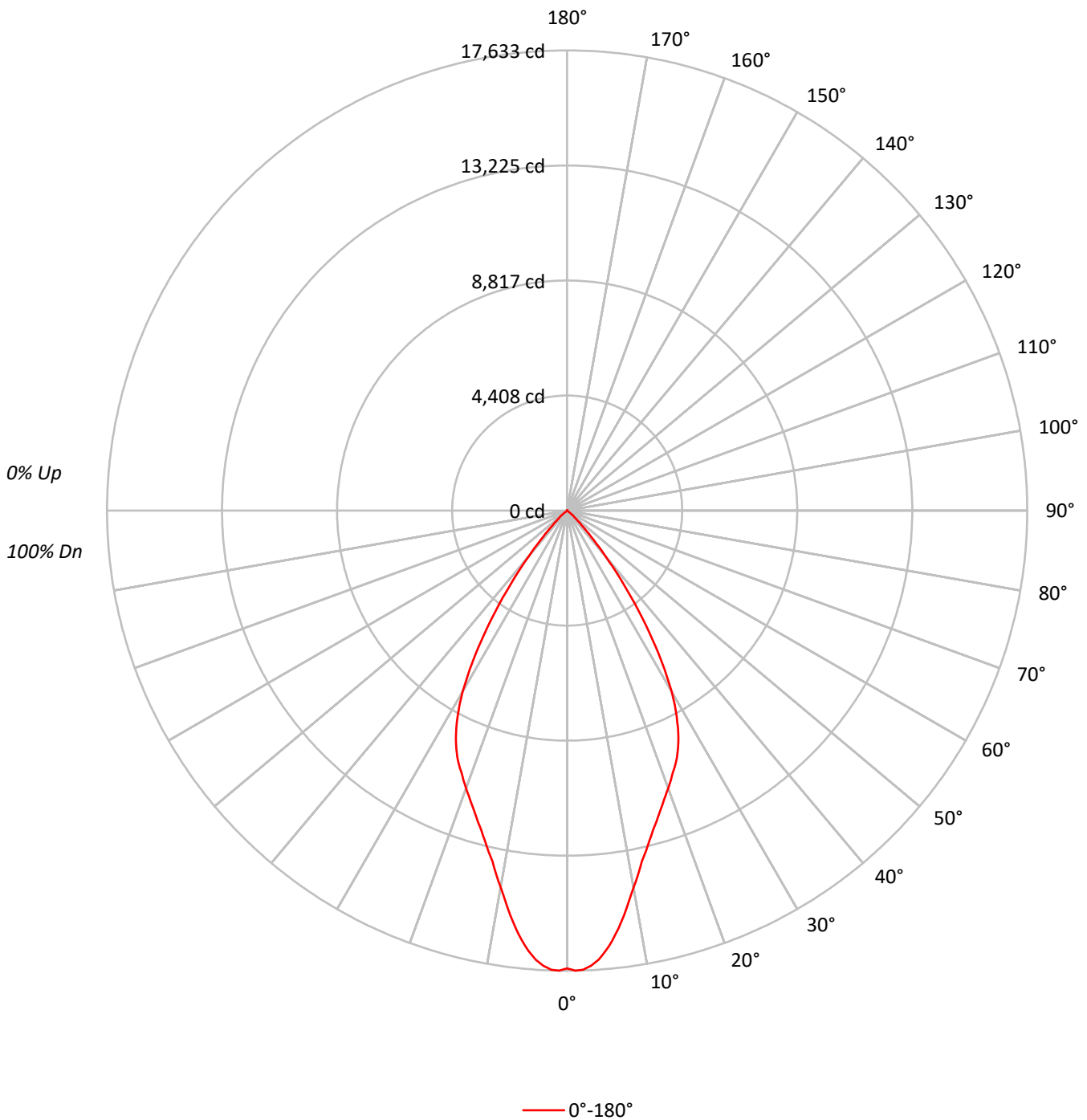
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	540912
5°	524372
10°	459244
15°	405449
20°	371528
25°	342095
30°	284729
35°	189121
40°	92041
45°	33335
50°	10031
55°	704
60°	0
65°	482
70°	0
75°	0
80°	1172
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1540.7	11.4
10°-20°	3578.1	26.5
20°-30°	4539.4	33.6
30°-40°	3109.8	23.0
40°-50°	708.7	5.2
50°-60°	35.3	0.3
60°-70°	1.6	0.0
70°-80°	2.6	0.0
80°-90°	2.7	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°	9658.2	71.4
0°-40°	12768.1	94.4
0°-60°	13512.1	99.9
0°-90°	13519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13519.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17541	
5°	16940	###
15°	12700	3578
25°	10054	4539
35°	5024	3110
45°	764	709
55°	13	35
65°	7	2
75°	0	3
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17541.4
1°	17632.8
2°	17600.0
3°	17469.4
4°	17247.2
5°	16940.3
6°	16567.9
7°	16136.7
8°	15659.7
9°	15150.1
10°	14666.7
11°	14222.5
12°	13745.6
13°	13399.4
14°	13033.5
15°	12700.4
16°	12399.8
17°	12105.7
18°	11831.4
19°	11563.5
20°	11321.8
21°	11073.5
22°	10818.7
23°	10596.7
24°	10348.4
25°	10054.5
26°	9727.7
27°	9348.9
28°	8943.8
29°	8493.0
30°	7996.5
31°	7434.6
32°	6853.2
33°	6245.6
34°	5624.9
35°	5023.9
37.5°	3547.5
40°	2286.5
42.5°	1345.8
45°	764.4
47.5°	411.6
50°	209.1
52.5°	39.2
55°	13.1
57.5°	6.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	6.6
67.5°	0.0
70°	0.0
72.5°	6.6
75°	0.0
77.5°	0.0
80°	6.6
82.5°	0.0
85°	0.0
87.5°	6.6
90°	0.0

(END OF REPORT)