

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: P249895

Luminaire Tested: **LD8B200D010 ER8B200840 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249895  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200840 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20844.0 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

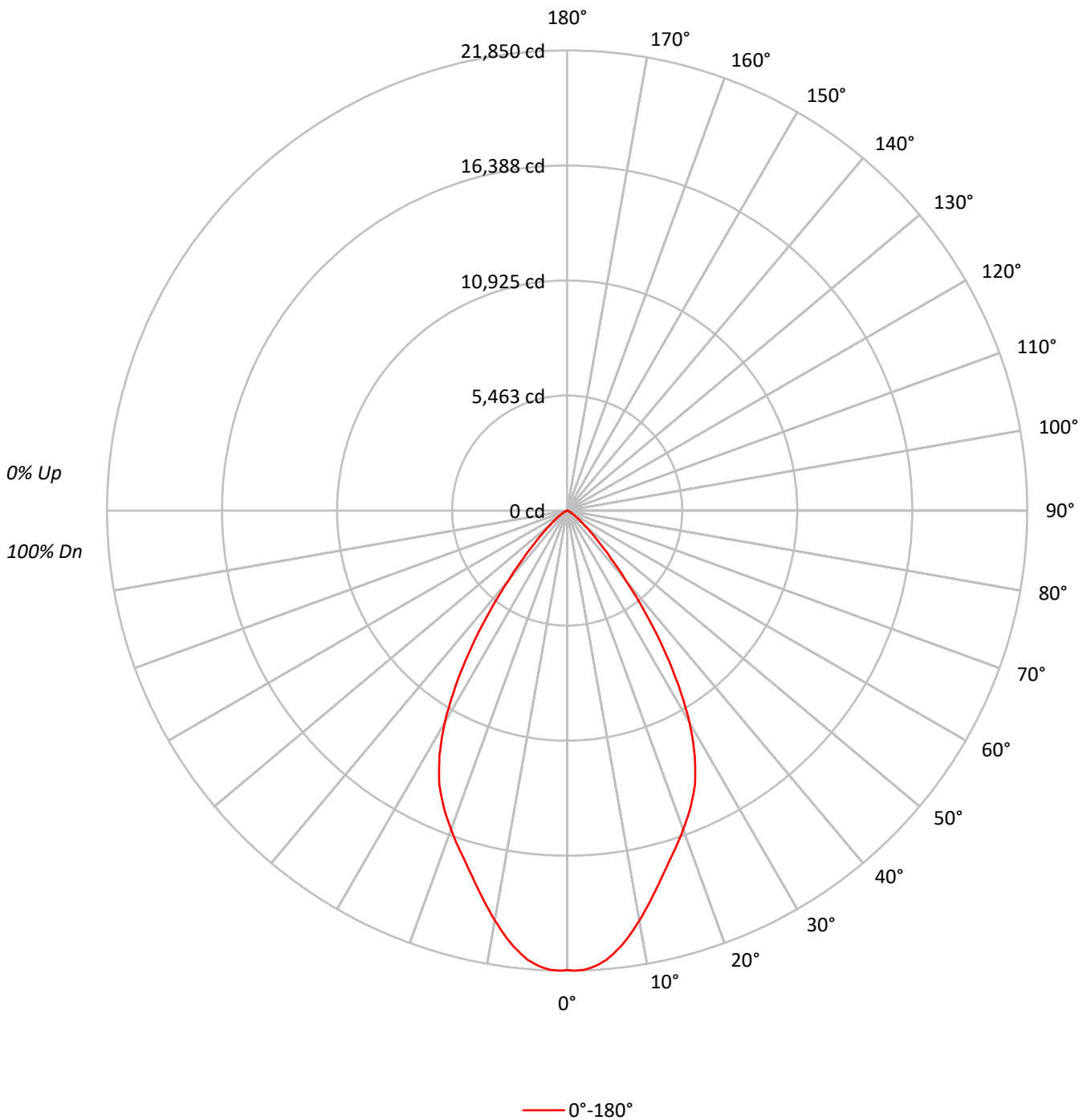
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

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

	0°
0°	672756
5°	662848
10°	618606
15°	567815
20°	528842
25°	488603
30°	414341
35°	298070
40°	175592
45°	93838
50°	48961
55°	27612
60°	15233
65°	9011
70°	4102
75°	2323
80°	1154
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1989.0	9.5
10°-20°	5004.3	24.0
20°-30°	6496.6	31.2
30°-40°	4903.5	23.5
40°-50°	1794.2	8.6
50°-60°	501.6	2.4
60°-70°	131.8	0.6
70°-80°	22.2	0.1
80°-90°	0.9	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°	13489.8	64.7
0°-40°	18393.3	88.2
0°-60°	20689.1	99.3
0°-90°	20844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20844.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21817	
5°	21414	###
15°	17786	5004
25°	14360	6497
35°	7918	4903
45°	2152	1794
55°	514	502
65°	124	132
75°	20	22
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21817.0
1°	21849.5
2°	21823.5
3°	21739.0
4°	21596.0
5°	21413.9
6°	21147.4
7°	20854.9
8°	20516.8
9°	20146.3
10°	19756.2
11°	19366.1
12°	18963.1
13°	18553.5
14°	18163.5
15°	17786.4
16°	17428.9
17°	17084.3
18°	16772.3
19°	16447.2
20°	16115.7
22.5°	15290.1
25°	14360.5
27.5°	13131.8
30°	11636.6
32.5°	9835.8
35°	7918.1
37.5°	6045.8
40°	4362.1
42.5°	3087.9
45°	2151.8
47.5°	1514.7
50°	1020.6
52.5°	747.6
55°	513.6
57.5°	370.6
60°	247.0
62.5°	182.0
65°	123.5
67.5°	84.5
70°	45.5
72.5°	32.5
75°	19.5
77.5°	6.5
80°	6.5



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)