

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: P249881

Luminaire Tested: **LD8B200D010 ER8B200830 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249881  
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 ER8B200830 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20176.0 lumens  
Efficiency: N/A  
Efficacy: 90.4 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

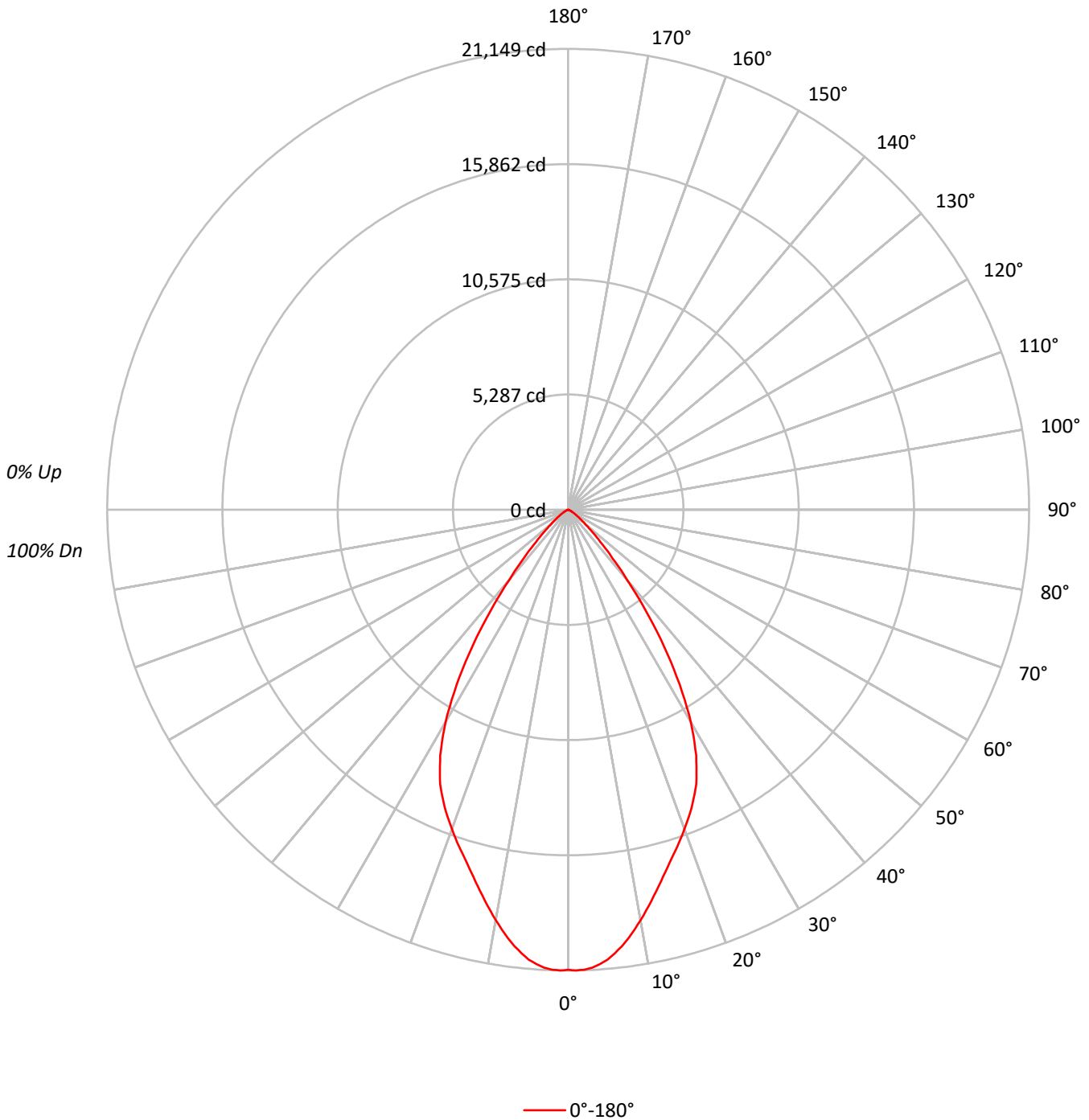
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	651195
5°	641607
10°	598783
15°	549618
20°	511893
25°	472942
30°	401063
35°	288516
40°	169964
45°	90829
50°	47392
55°	26725
60°	14746
65°	8727
70°	3967
75°	2252
80°	1119
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1925.2	9.5
10°-20°	4843.9	24.0
20°-30°	6288.4	31.2
30°-40°	4746.3	23.5
40°-50°	1736.7	8.6
50°-60°	485.5	2.4
60°-70°	127.6	0.6
70°-80°	21.5	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°	13057.5	64.7
0°-40°	17803.9	88.2
0°-60°	20026.1	99.3
0°-90°	20176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20176.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21118	
5°	20728	###
15°	17216	4844
25°	13900	6288
35°	7664	4746
45°	2083	1737
55°	497	485
65°	120	128
75°	19	21
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21117.8
1°	21149.3
2°	21124.1
3°	21042.3
4°	20903.9
5°	20727.7
6°	20469.7
7°	20186.5
8°	19859.3
9°	19500.6
10°	19123.1
11°	18745.5
12°	18355.4
13°	17958.9
14°	17581.4
15°	17216.4
16°	16870.3
17°	16536.8
18°	16234.8
19°	15920.2
20°	15599.2
22.5°	14800.1
25°	13900.2
27.5°	12711.0
30°	11263.7
32.5°	9520.6
35°	7664.3
37.5°	5852.1
40°	4222.3
42.5°	2989.0
45°	2082.8
47.5°	1466.2
50°	987.9
52.5°	723.6
55°	497.1
57.5°	358.7
60°	239.1
62.5°	176.2
65°	119.6
67.5°	81.8
70°	44.0
72.5°	31.5
75°	18.9
77.5°	6.3
80°	6.3



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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)