

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: P250105

Luminaire Tested: **LD8B200D010 ER8B200950 8LBNOWH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200950 8LBN0WH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17943.0 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

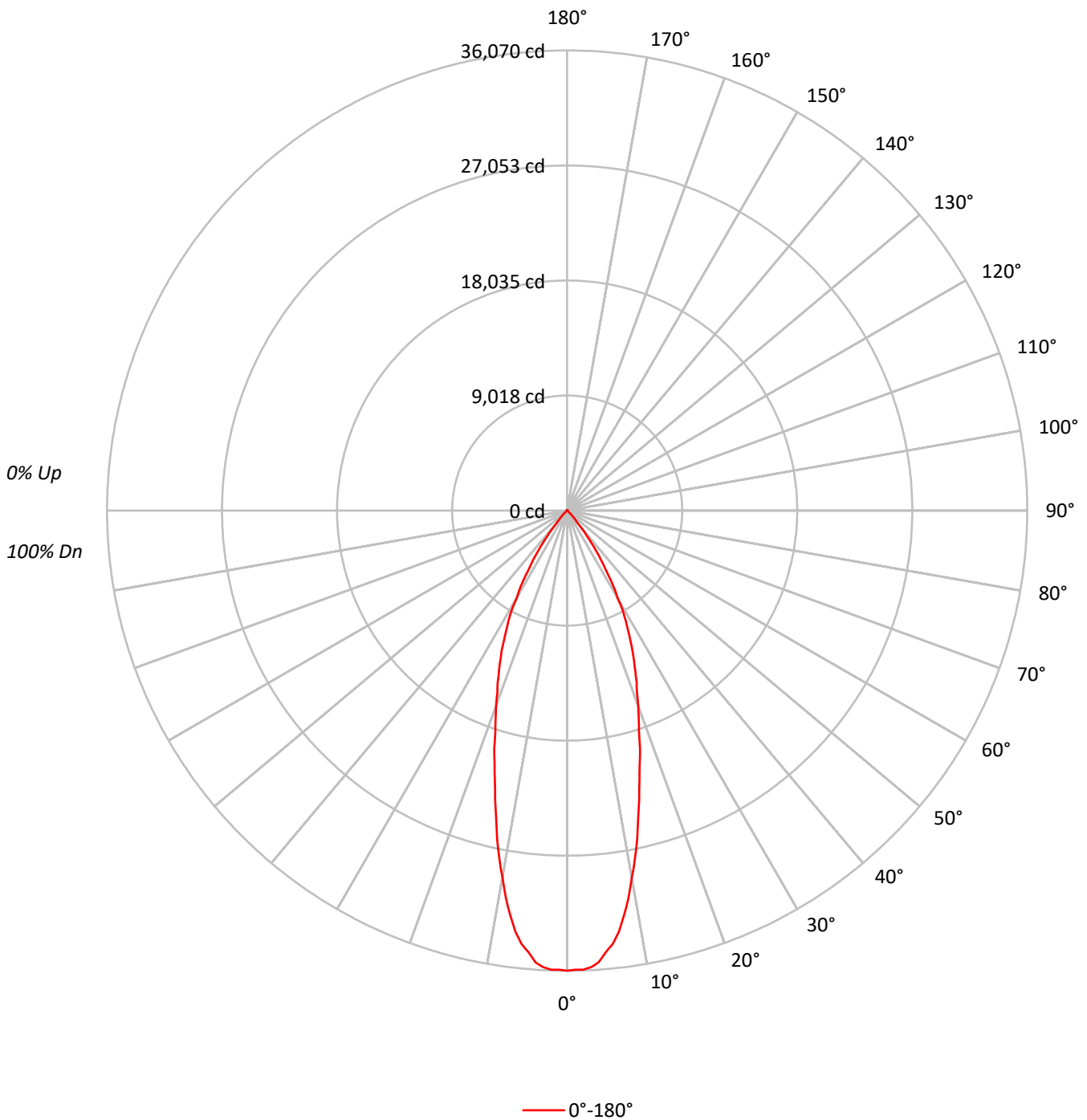
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

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

	0°
0°	1112260
5°	1075615
10°	914743
15°	698171
20°	533577
25°	413481
30°	282012
35°	165687
40°	50664
45°	19929
50°	302
55°	339
60°	389
65°	919
70°	1695
75°	1501
80°	1119
85°	6652



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3150.2	17.6
10°-20°	6104.3	34.0
20°-30°	5495.8	30.6
30°-40°	2719.1	15.2
40°-50°	413.6	2.3
50°-60°	17.0	0.1
60°-70°	21.9	0.1
70°-80°	8.3	0.0
80°-90°	12.8	0.1
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°	14750.3	82.2
0°-40°	17469.4	97.4
0°-60°	17900.1	99.8
0°-90°	17943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	36070	
5°	34749	###
15°	21870	6104
25°	12153	5496
35°	4401	2719
45°	457	414
55°	6	17
65°	13	22
75°	13	8
85°	19	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	36069.8
1°	35994.7
2°	36013.3
3°	35831.7
4°	35500.0
5°	34748.7
6°	34172.7
7°	33258.7
8°	32031.5
9°	30754.1
10°	29213.8
11°	27836.5
12°	26359.0
13°	24724.8
14°	23316.1
15°	21869.7
16°	20636.2
17°	19546.9
18°	18207.0
19°	17223.9
20°	16260.0
21°	15258.0
22°	14525.5
23°	13674.0
24°	12891.3
25°	12152.6
26°	11282.2
27°	10499.8
28°	9798.4
29°	9028.3
30°	7920.2
31°	7294.2
32°	6505.2
33°	5641.1
34°	4983.7
35°	4401.4
37.5°	2786.0
40°	1258.6
42.5°	857.8
45°	457.0
47.5°	256.6
50°	6.3
52.5°	25.1
55°	6.3
57.5°	37.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	6.3
62.5°	31.4
65°	12.6
67.5°	31.4
70°	18.8
72.5°	6.3
75°	12.6
77.5°	0.0
80°	6.3
82.5°	25.1
85°	18.8
87.5°	0.0
90°	0.0

(END OF REPORT)