

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: P250098

Luminaire Tested: **LD8B200D010 ER8B200940 8LBNOWH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250098  
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 ER8B200940 8LBN0WH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17331.0 lumens  
Efficiency: N/A  
Efficacy: 77.6 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

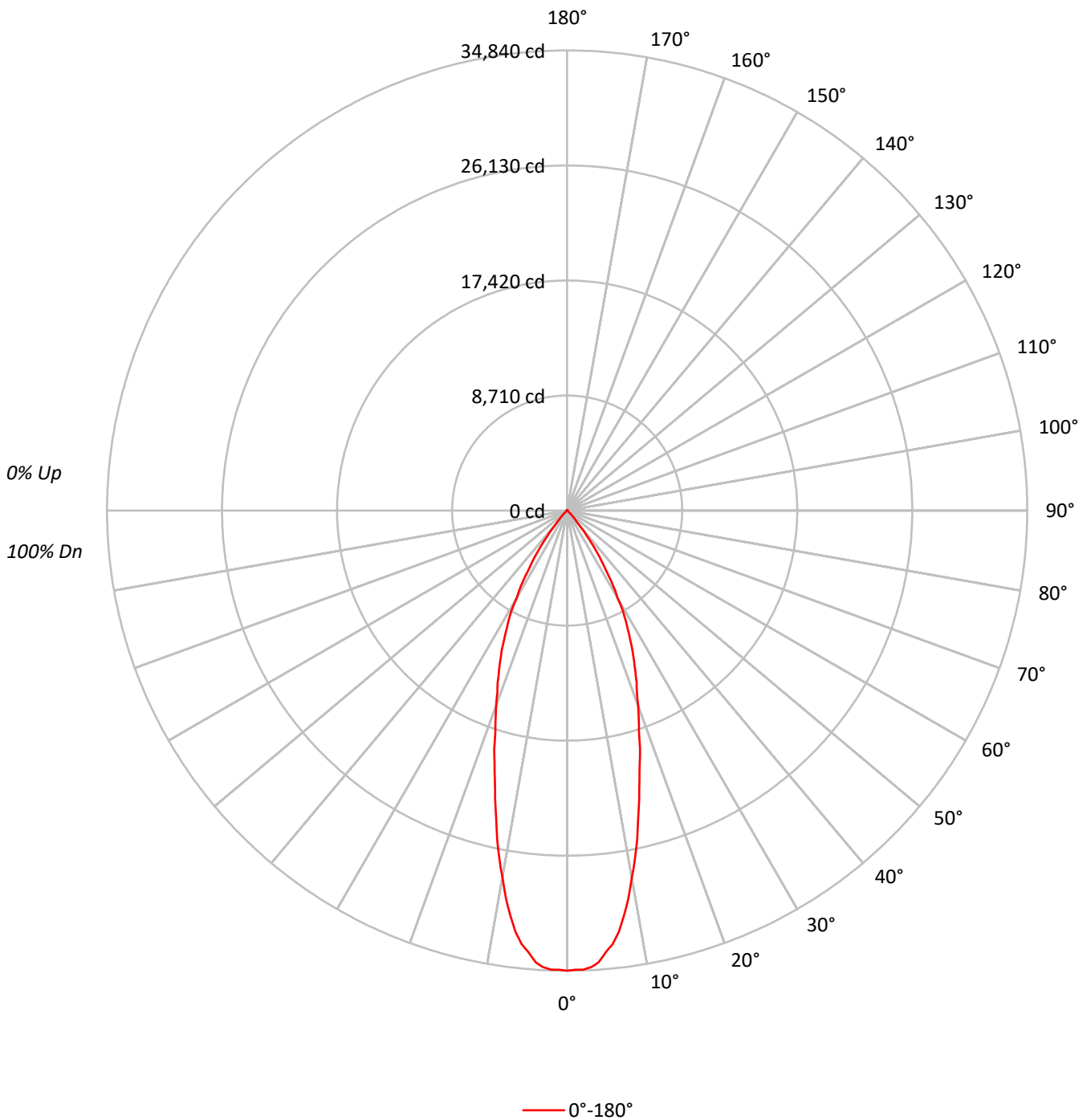
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1074322
5°	1038928
10°	883544
15°	674355
20°	515378
25°	399378
30°	272391
35°	160037
40°	48933
45°	19249
50°	293
55°	328
60°	376
65°	883
70°	1641
75°	1442
80°	1083
85°	6439



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3042.7	17.6
10°-20°	5896.1	34.0
20°-30°	5308.4	30.6
30°-40°	2626.4	15.2
40°-50°	399.5	2.3
50°-60°	16.4	0.1
60°-70°	21.1	0.1
70°-80°	8.0	0.0
80°-90°	12.4	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°	14247.2	82.2
0°-40°	16873.6	97.4
0°-60°	17289.5	99.8
0°-90°	17331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	34840	
5°	33564	###
15°	21124	5896
25°	11738	5308
35°	4251	2626
45°	441	400
55°	6	16
65°	12	21
75°	12	8
85°	18	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	34839.5
1°	34767.0
2°	34784.9
3°	34609.6
4°	34289.2
5°	33563.5
6°	33007.1
7°	32124.3
8°	30939.0
9°	29705.1
10°	28217.4
11°	26887.0
12°	25459.9
13°	23881.4
14°	22520.8
15°	21123.7
16°	19932.4
17°	18880.2
18°	17586.0
19°	16636.5
20°	15705.4
21°	14737.6
22°	14030.1
23°	13207.6
24°	12451.6
25°	11738.1
26°	10897.4
27°	10141.7
28°	9464.2
29°	8720.4
30°	7650.0
31°	7045.4
32°	6283.3
33°	5448.7
34°	4813.7
35°	4251.3
37.5°	2691.0
40°	1215.6
42.5°	828.5
45°	441.4
47.5°	247.9
50°	6.1
52.5°	24.3
55°	6.1
57.5°	36.4



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	6.1
62.5°	30.3
65°	12.1
67.5°	30.3
70°	18.2
72.5°	6.1
75°	12.1
77.5°	0.0
80°	6.1
82.5°	24.3
85°	18.2
87.5°	0.0
90°	0.0

(END OF REPORT)