

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: P249979

Luminaire Tested: **LD8B200D010 ER8B200840 8LBN0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200840 8LBN0WMH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18355.0 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

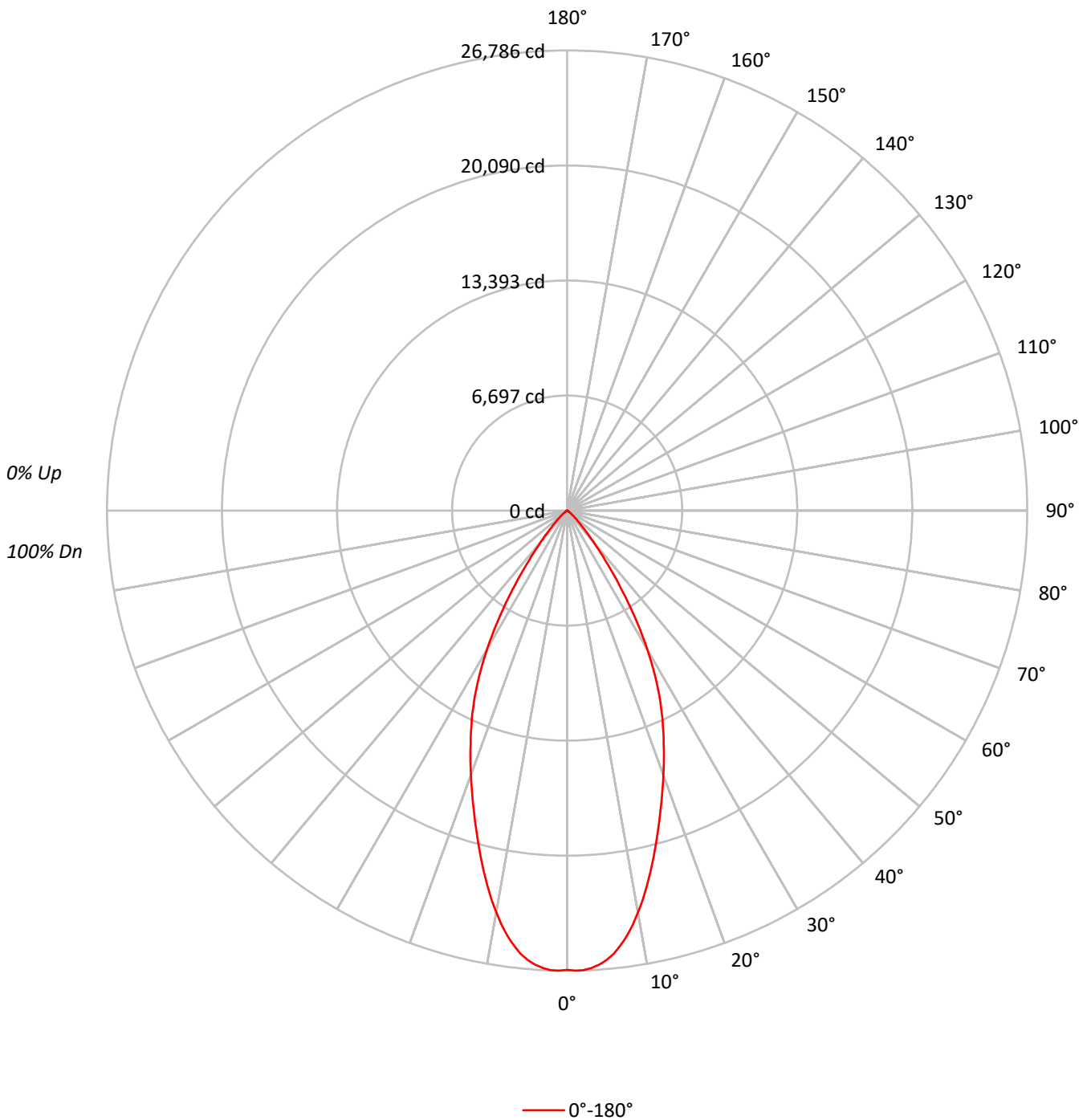
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

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

	0°
0°	824393
5°	812910
10°	743698
15°	638524
20°	537705
25°	444263
30°	333236
35°	198633
40°	94637
45°	41228
50°	18695
55°	8236
60°	4724
65°	2802
70°	2885
75°	0
80°	1137
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2426.5	13.2
10°-20°	5567.2	30.3
20°-30°	5914.5	32.2
30°-40°	3374.5	18.4
40°-50°	836.7	4.6
50°-60°	164.5	0.9
60°-70°	49.6	0.3
70°-80°	11.7	0.1
80°-90°	9.6	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°	13908.2	75.8
0°-40°	17282.8	94.2
0°-60°	18284.0	99.6
0°-90°	18355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18355.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	26734	
5°	26262	###
15°	20001	5567
25°	13057	5915
35°	5277	3375
45°	945	837
55°	153	165
65°	38	50
75°	0	12
85°	13	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	26734.5
1°	26785.7
2°	26766.5
3°	26670.7
4°	26504.7
5°	26261.8
6°	25942.6
7°	25501.6
8°	24996.9
9°	24403.0
10°	23751.2
11°	23061.5
12°	22320.3
13°	21566.5
14°	20793.5
15°	20001.3
16°	19254.0
17°	18500.2
18°	17791.0
19°	17069.3
20°	16385.8
22.5°	14692.7
25°	13057.3
27.5°	11300.8
30°	9358.8
32.5°	7276.0
35°	5276.6
37.5°	3634.8
40°	2351.0
42.5°	1488.6
45°	945.4
47.5°	619.8
50°	389.7
52.5°	236.5
55°	153.2
57.5°	121.5
60°	76.6
62.5°	70.2
65°	38.4
67.5°	38.4
70°	32.0
72.5°	19.2
75°	0.0
77.5°	6.4
80°	6.4



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	12.8
85°	12.8
87.5°	6.4
90°	0.0

(END OF REPORT)