

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: P250035

Luminaire Tested: **LD8B200D010 ER8B200930 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250035
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 ER8B200930 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15256.9 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

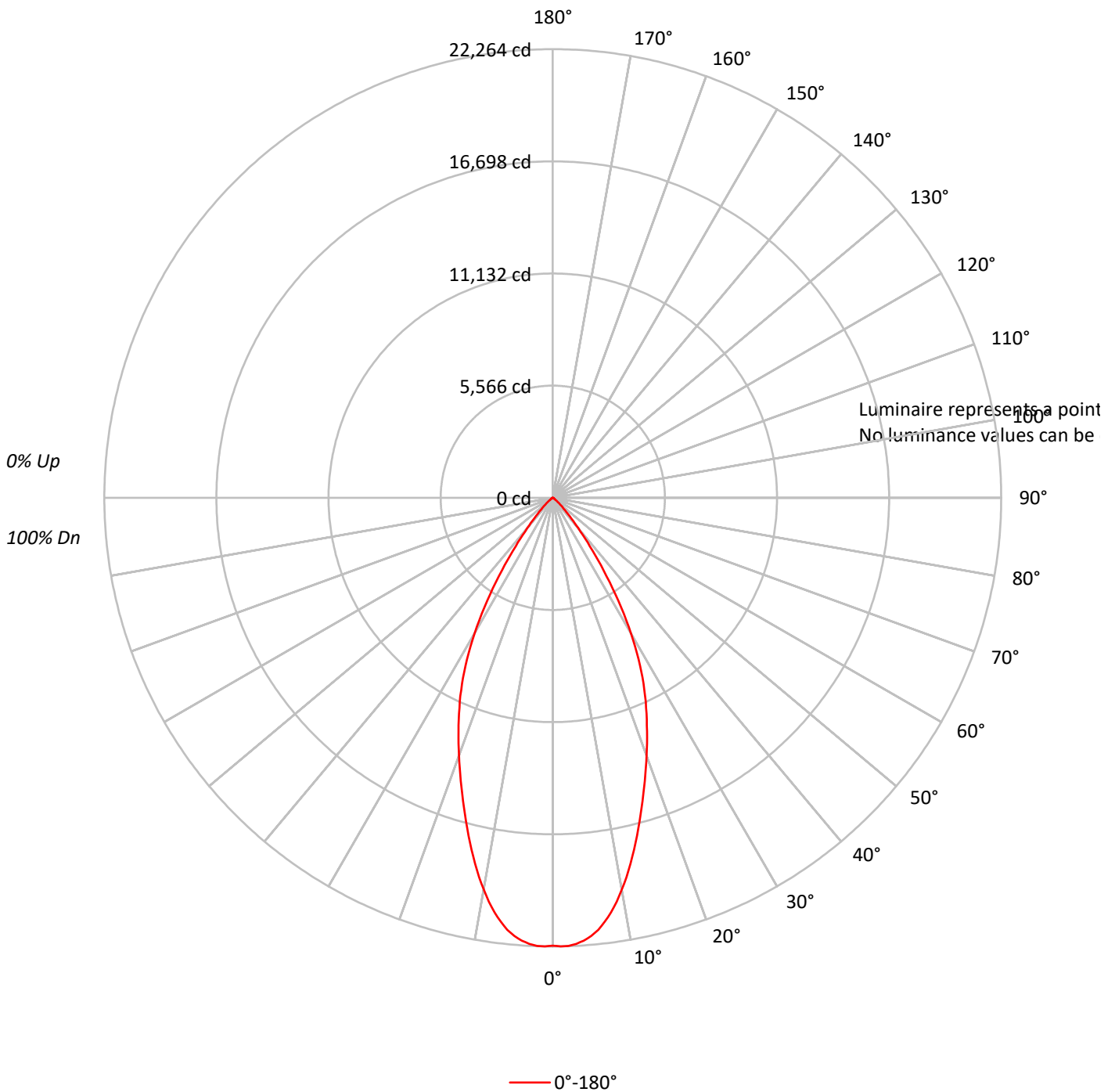
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2016.9	13.2
10°-20°	4627.5	30.3
20°-30°	4916.2	32.2
30°-40°	2804.9	18.4
40°-50°	695.5	4.6
50°-60°	136.8	0.9
60°-70°	41.2	0.3
70°-80°	9.8	0.1
80°-90°	8.0	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°	11560.6	75.8
0°-40°	14365.6	94.2
0°-60°	15197.8	99.6
0°-90°	15256.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15256.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22222	
5°	21829	###
15°	16625	4628
25°	10853	4916
35°	4386	2805
45°	786	695
55°	127	137
65°	32	41
75°	0	10
85°	11	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22221.9
1°	22264.5
2°	22248.5
3°	22168.9
4°	22030.9
5°	21829.0
6°	21563.7
7°	21197.1
8°	20777.6
9°	20283.9
10°	19742.2
11°	19168.9
12°	18552.8
13°	17926.2
14°	17283.7
15°	16625.2
16°	16004.1
17°	15377.5
18°	14788.0
19°	14188.2
20°	13619.9
22.5°	12212.7
25°	10853.4
27.5°	9393.3
30°	7779.1
32.5°	6047.9
35°	4385.9
37.5°	3021.3
40°	1954.1
42.5°	1237.4
45°	785.8
47.5°	515.2
50°	324.0
52.5°	196.6
55°	127.3
57.5°	101.0
60°	63.7
62.5°	58.3
65°	31.9
67.5°	31.9
70°	26.7
72.5°	16.0
75°	0.0
77.5°	5.4
80°	5.4



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	10.6
85°	10.6
87.5°	5.4
90°	0.0

(END OF REPORT)