

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: P249965

Luminaire Tested: **LD8B200D010 ER8B200830 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249965
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 ER8B200830 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17767.0 lumens
Efficiency: N/A
Efficacy: 79.6 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

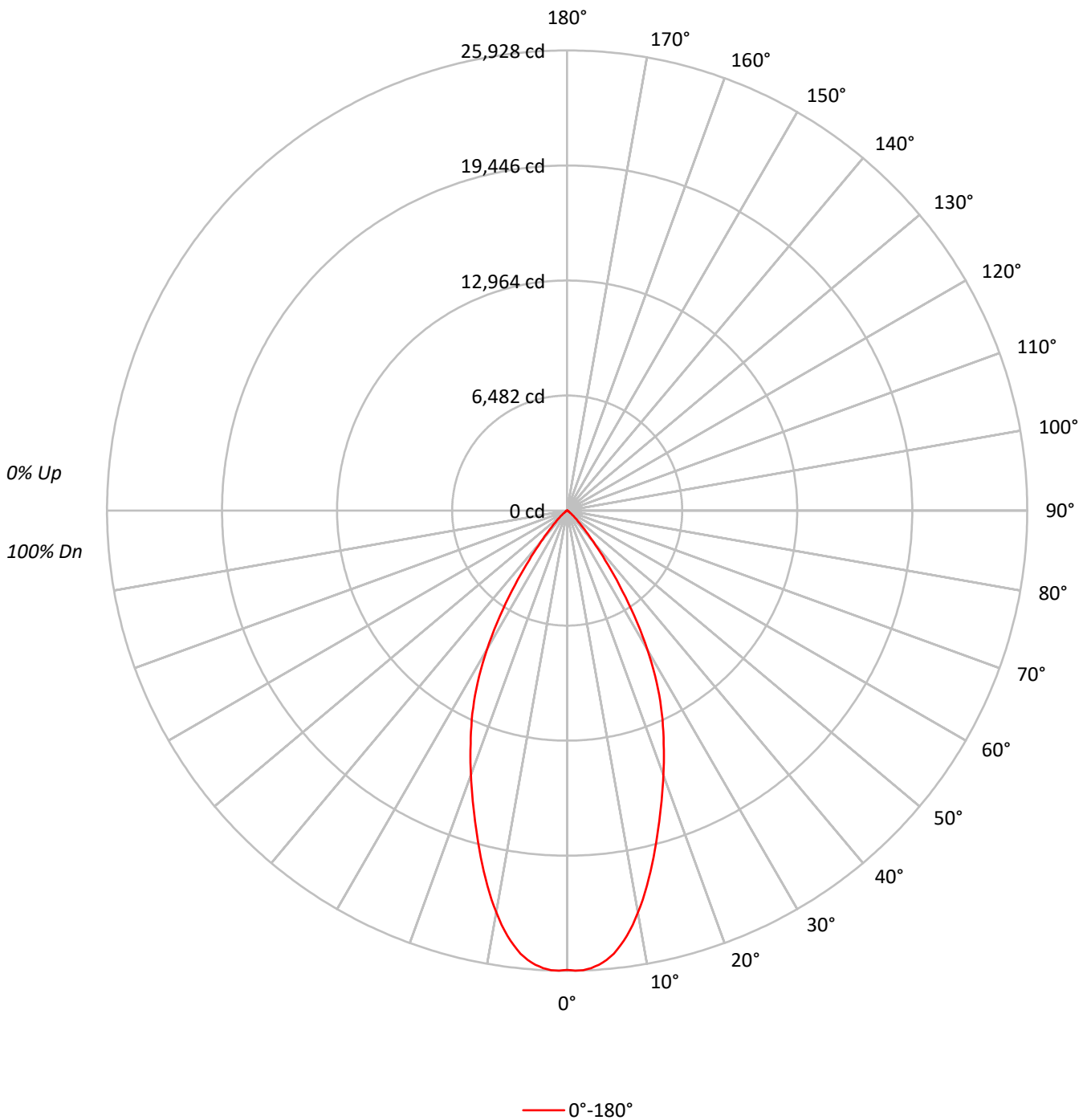
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):

	0°
0°	797982
5°	786869
10°	719873
15°	618070
20°	520477
25°	430034
30°	322558
35°	192271
40°	91606
45°	39907
50°	18095
55°	7973
60°	4570
65°	2714
70°	2795
75°	0
80°	1101
85°	4387



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2348.7	13.2
10°-20°	5388.9	30.3
20°-30°	5725.1	32.2
30°-40°	3266.4	18.4
40°-50°	809.9	4.6
50°-60°	159.3	0.9
60°-70°	48.0	0.3
70°-80°	11.4	0.1
80°-90°	9.3	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°	13462.7	75.8
0°-40°	16729.1	94.2
0°-60°	17698.3	99.6
0°-90°	17767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17767.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25878	
5°	25420	###
15°	19361	5389
25°	12639	5725
35°	5108	3266
45°	915	810
55°	148	159
65°	37	48
75°	0	11
85°	12	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25878.0
1°	25927.7
2°	25909.0
3°	25816.3
4°	25655.6
5°	25420.5
6°	25111.5
7°	24684.7
8°	24196.1
9°	23621.3
10°	22990.3
11°	22322.7
12°	21605.2
13°	20875.6
14°	20127.4
15°	19360.6
16°	18637.2
17°	17907.6
18°	17221.1
19°	16522.5
20°	15860.8
22.5°	14222.0
25°	12639.1
27.5°	10938.8
30°	9058.9
32.5°	7042.9
35°	5107.6
37.5°	3518.4
40°	2275.7
42.5°	1440.9
45°	915.1
47.5°	599.9
50°	377.2
52.5°	228.9
55°	148.3
57.5°	117.6
60°	74.1
62.5°	67.9
65°	37.2
67.5°	37.2
70°	31.0
72.5°	18.6
75°	0.0
77.5°	6.2
80°	6.2



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	12.4
85°	12.4
87.5°	6.2
90°	0.0

(END OF REPORT)