

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: P250651

Luminaire Tested: **LD8B200D010 ER8B200840 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200840 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19219.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

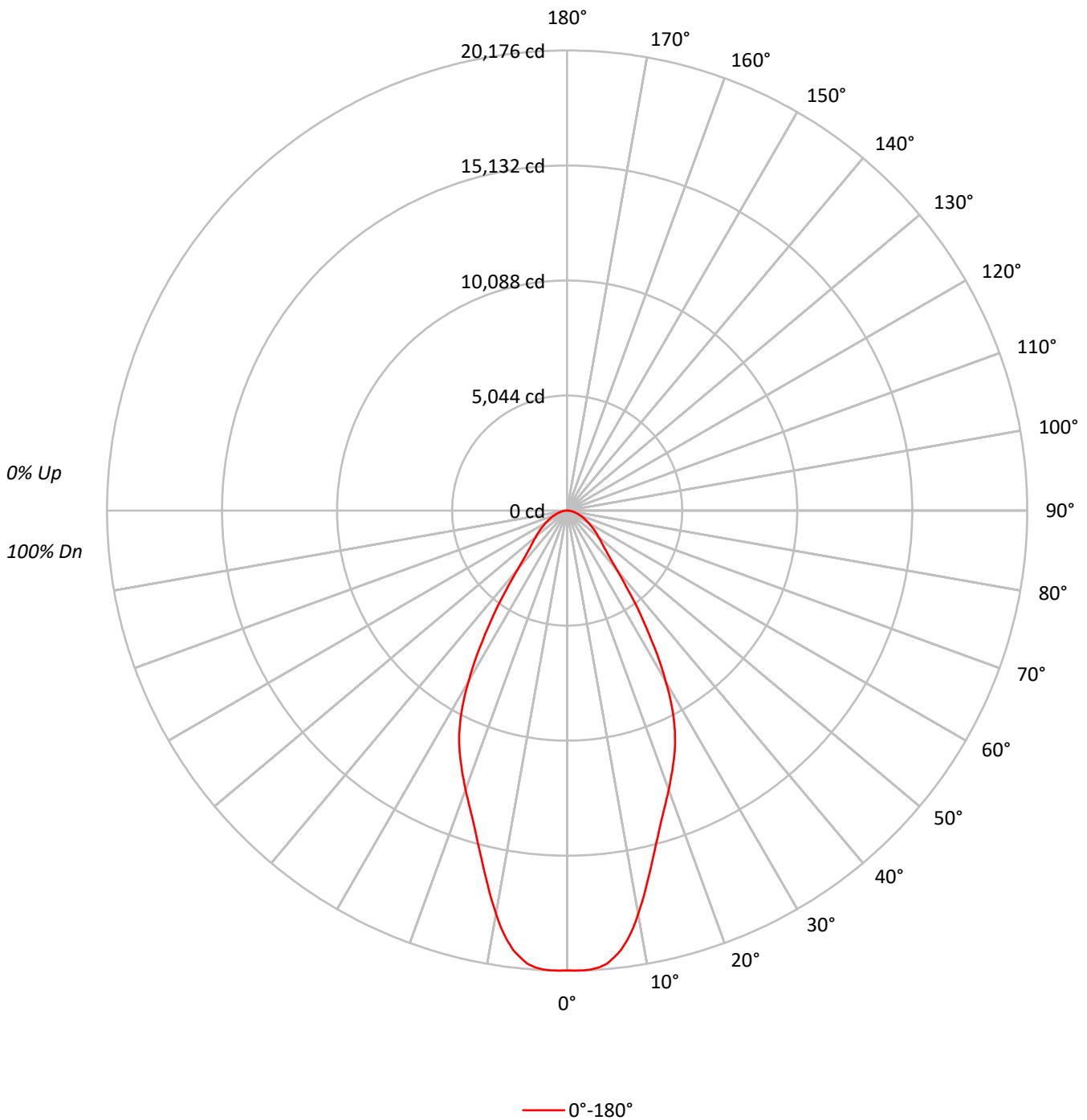
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98		98	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	621762
5°	617299
10°	562420
15°	482188
20°	427223
25°	381203
30°	307873
35°	213770
40°	135527
45°	100554
50°	85910
55°	75503
60°	67316
65°	60408
70°	51977
75°	47502
80°	44626
85°	39060



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1840.6	9.6
10°-20°	4247.0	22.1
20°-30°	5061.8	26.3
30°-40°	3573.0	18.6
40°-50°	1845.2	9.6
50°-60°	1266.3	6.6
60°-70°	823.2	4.3
70°-80°	430.9	2.2
80°-90°	130.9	0.7
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°	11149.4	58.0
0°-40°	14722.4	76.6
0°-60°	17833.9	92.8
0°-90°	19219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20163	
5°	19942	###
15°	15104	4247
25°	11204	5062
35°	5679	3573
45°	2306	1845
55°	1404	1266
65°	828	823
75°	399	431
85°	110	131
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20163.3
1°	20175.6
2°	20175.6
3°	20144.9
4°	20077.5
5°	19942.4
6°	19703.4
7°	19409.0
8°	19004.1
9°	18513.7
10°	17961.8
11°	17379.2
12°	16771.9
13°	16189.5
14°	15625.3
15°	15104.2
16°	14619.6
17°	14172.0
18°	13767.2
19°	13386.9
20°	13019.0
21°	12657.2
22°	12301.6
23°	11945.9
24°	11584.2
25°	11203.9
26°	10774.5
27°	10308.4
28°	9799.6
29°	9259.9
30°	8646.5
31°	8051.9
32°	7444.6
33°	6819.1
34°	6242.6
35°	5678.7
37.5°	4372.5
40°	3366.8
42.5°	2710.6
45°	2305.8
47.5°	2017.5
50°	1790.8
52.5°	1594.5
55°	1404.4
57.5°	1232.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	1091.5
62.5°	950.6
65°	827.9
67.5°	717.4
70°	576.5
72.5°	496.8
75°	398.7
77.5°	324.9
80°	251.3
82.5°	184.0
85°	110.4
87.5°	61.2
90°	0.0

(END OF REPORT)