

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: P250070

Luminaire Tested: **LD8B200D010 ER8B200850 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250070
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 ER8B200850 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19709.0 lumens
Efficiency: N/A
Efficacy: 88.3 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

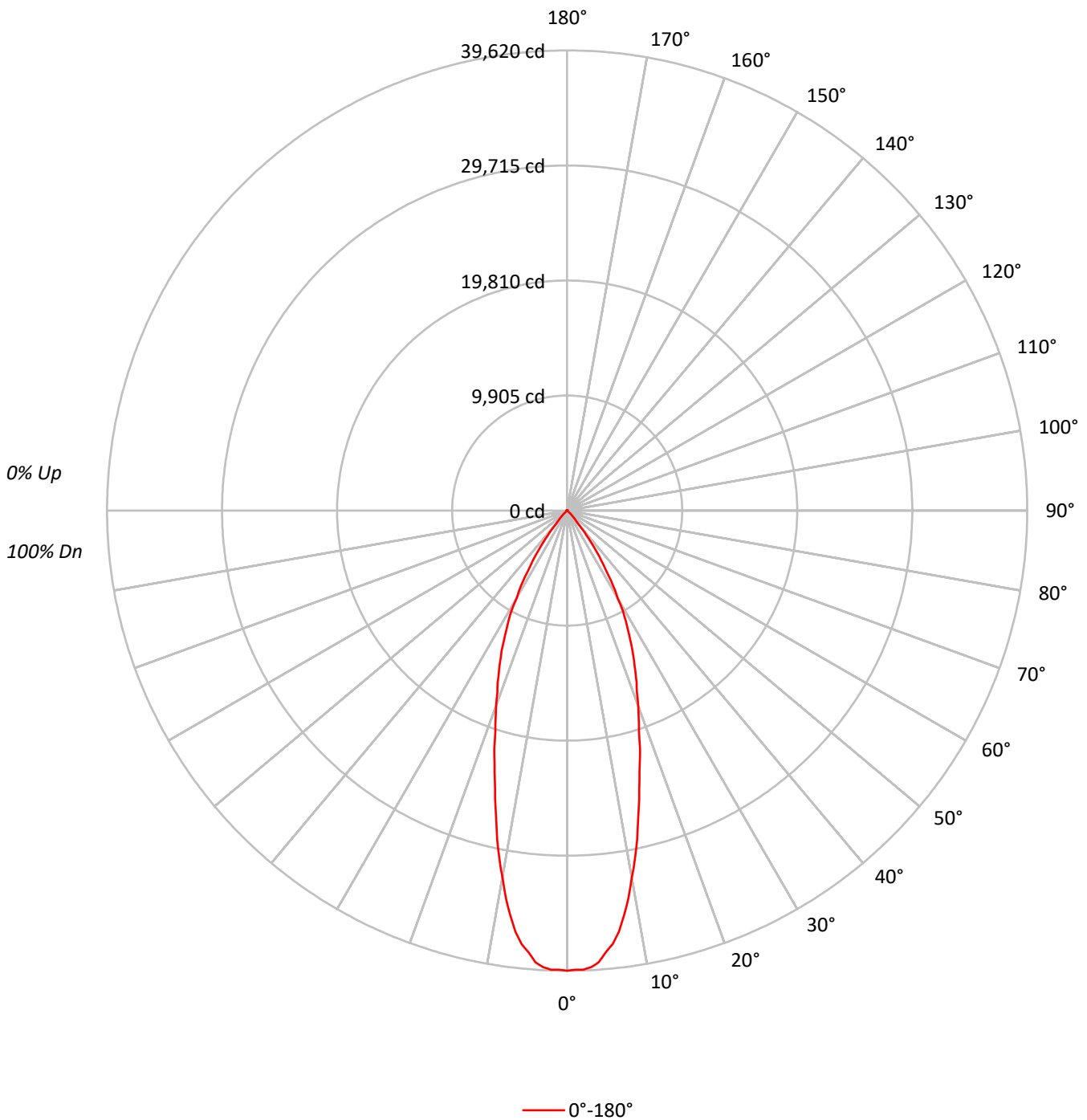
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1221732
5°	1181481
10°	1004774
15°	766884
20°	586091
25°	454178
30°	309768
35°	181995
40°	55647
45°	21892
50°	331
55°	371
60°	426
65°	1007
70°	1866
75°	1644
80°	1225
85°	7324



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3460.2	17.6
10°-20°	6705.1	34.0
20°-30°	6036.8	30.6
30°-40°	2986.7	15.2
40°-50°	454.3	2.3
50°-60°	18.7	0.1
60°-70°	24.0	0.1
70°-80°	9.1	0.0
80°-90°	14.1	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°	16202.1	82.2
0°-40°	19188.8	97.4
0°-60°	19661.8	99.8
0°-90°	19709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19709.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	39620	
5°	38169	###
15°	24022	6705
25°	13349	6037
35°	4835	2987
45°	502	454
55°	7	19
65°	14	24
75°	14	9
85°	21	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	39619.9
1°	39537.4
2°	39557.8
3°	39358.4
4°	38994.0
5°	38168.8
6°	37536.0
7°	36532.1
8°	35184.1
9°	33781.0
10°	32089.1
11°	30576.2
12°	28953.3
13°	27158.2
14°	25610.9
15°	24022.1
16°	22667.3
17°	21470.8
18°	19999.0
19°	18919.2
20°	17860.3
21°	16759.7
22°	15955.2
23°	15019.9
24°	14160.1
25°	13348.7
26°	12392.7
27°	11533.2
28°	10762.8
29°	9916.9
30°	8699.7
31°	8012.1
32°	7145.4
33°	6196.3
34°	5474.2
35°	4834.6
37.5°	3060.2
40°	1382.4
42.5°	942.2
45°	502.0
47.5°	281.9
50°	6.9
52.5°	27.6
55°	6.9
57.5°	41.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	6.9
62.5°	34.5
65°	13.8
67.5°	34.5
70°	20.7
72.5°	6.9
75°	13.8
77.5°	0.0
80°	6.9
82.5°	27.6
85°	20.7
87.5°	0.0
90°	0.0

(END OF REPORT)