

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: P248011

Luminaire Tested: **LD8B200D010 ER8B200950 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200950 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19448.1 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

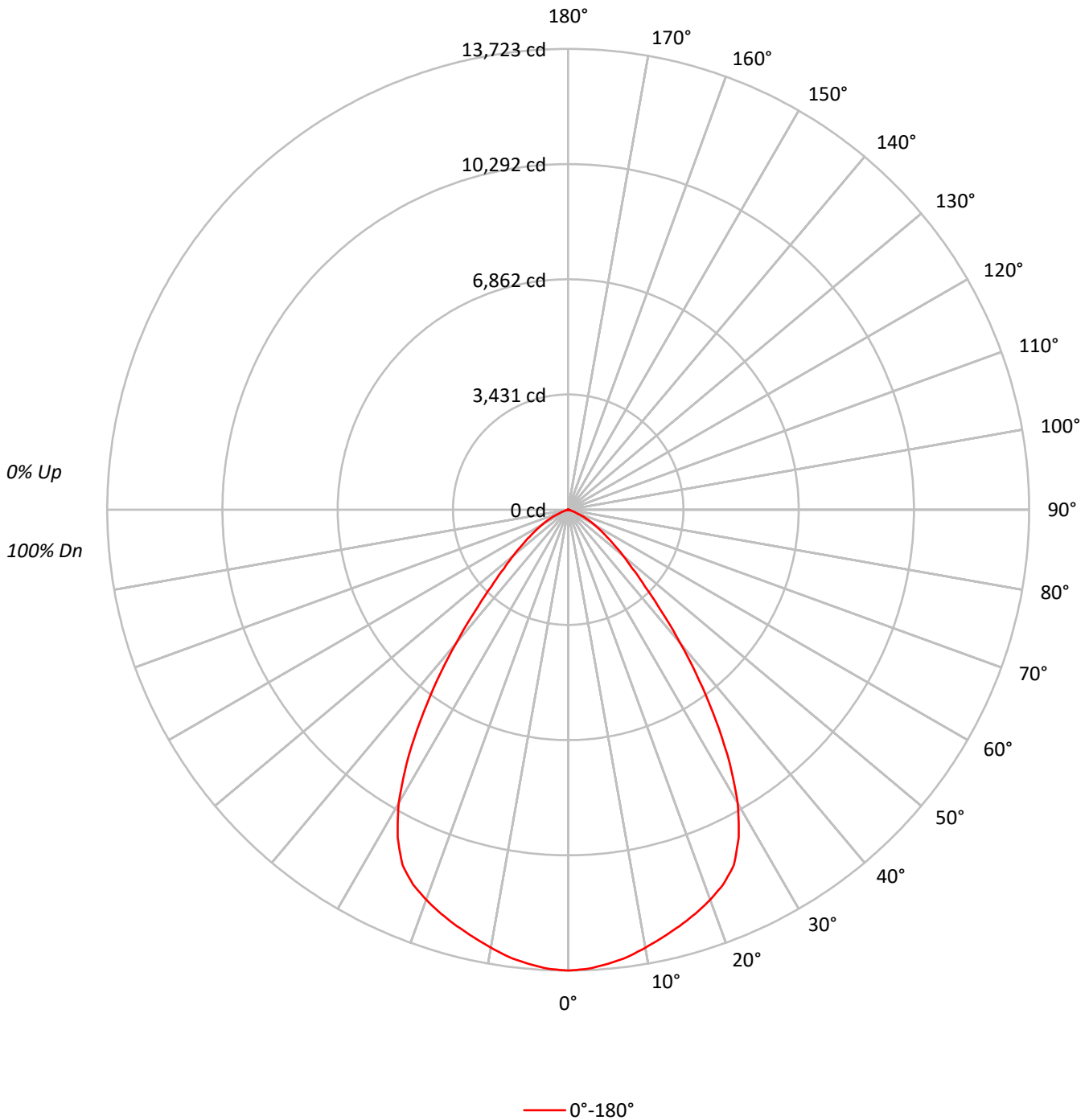
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423179
5°	420310
10°	414718
15°	409621
20°	405594
25°	397109
30°	359250
35°	288979
40°	209023
45°	141241
50°	102796
55°	75218
60°	55783
65°	37161
70°	16490
75°	7458
80°	5239
85°	6085



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1285.9	6.6
10°-20°	3621.5	18.6
20°-30°	5288.7	27.2
30°-40°	4756.4	24.5
40°-50°	2601.2	13.4
50°-60°	1289.6	6.6
60°-70°	509.3	2.6
70°-80°	82.1	0.4
80°-90°	13.4	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°	10196.1	52.4
0°-40°	14952.5	76.9
0°-60°	18843.4	96.9
0°-90°	19448.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19448.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13723	
5°	13578	###
15°	12831	3622
25°	11671	5289
35°	7677	4756
45°	3239	2601
55°	1399	1290
65°	509	509
75°	63	82
85°	17	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13723.4
2.5°	13685.3
5°	13578.5
7.5°	13439.9
10°	13244.7
12.5°	13037.3
15°	12831.1
17.5°	12610.2
20°	12359.9
22.5°	12073.9
25°	11671.4
27.5°	10993.9
30°	10089.4
32.5°	8949.3
35°	7676.6
37.5°	6406.4
40°	5192.6
42.5°	4099.1
45°	3238.8
47.5°	2595.7
50°	2142.8
52.5°	1744.0
55°	1399.1
57.5°	1130.3
60°	904.5
62.5°	715.5
65°	509.3
67.5°	303.1
70°	182.9
72.5°	103.1
75°	62.6
77.5°	40.5
80°	29.5
82.5°	9.8
85°	17.2
87.5°	7.4
90°	0.0

(END OF REPORT)