

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: P248005

Luminaire Tested: **LD8B200D010 ER8B200935 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248005
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 ER8B200935 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17985.0 lumens
Efficiency: N/A
Efficacy: 80.5 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

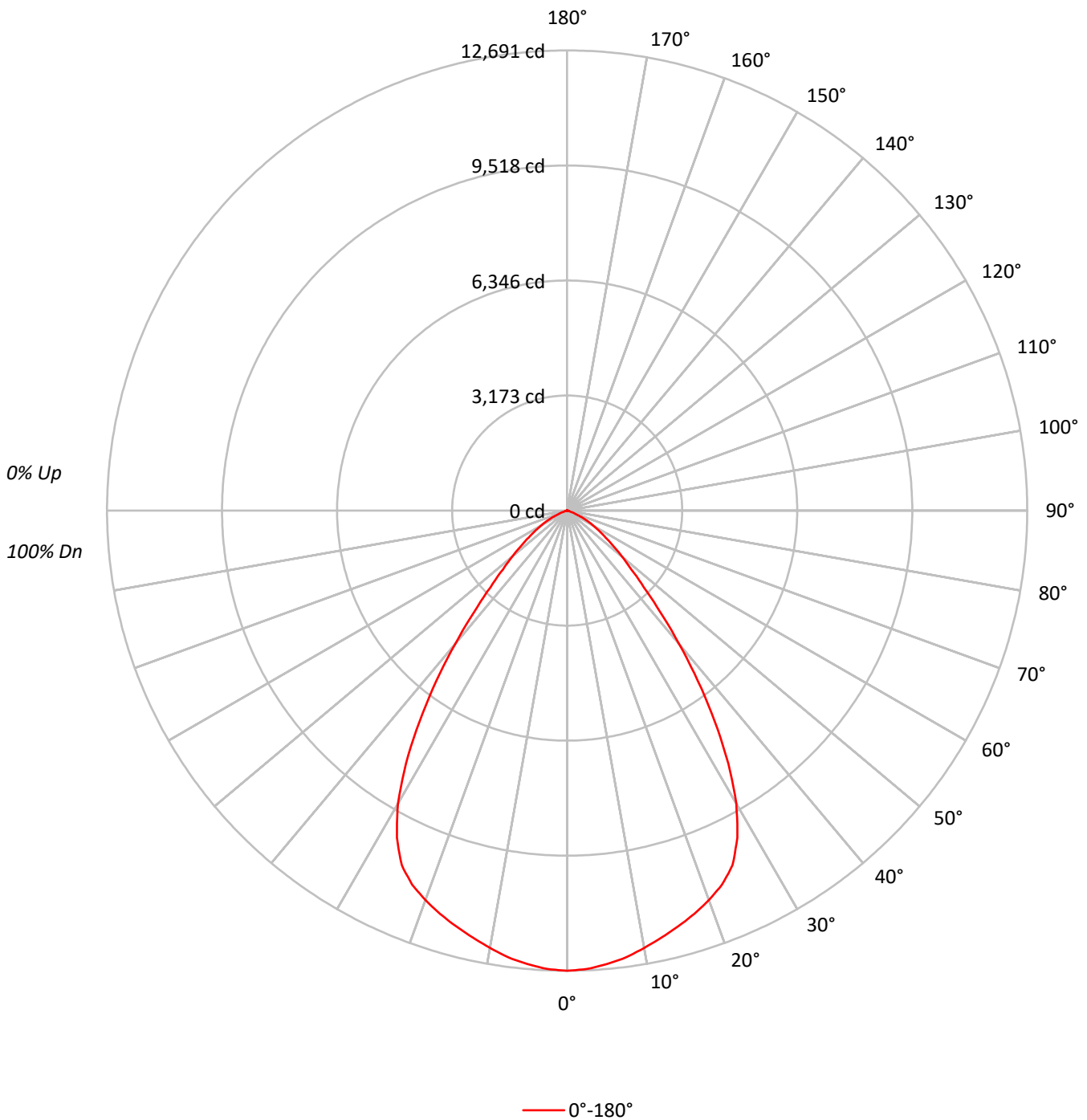
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	391344
5°	388694
10°	383522
15°	378808
20°	375082
25°	367236
30°	332225
35°	267240
40°	193299
45°	130614
50°	95063
55°	69557
60°	51589
65°	34366
70°	15246
75°	6898
80°	4830
85°	5626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1189.2	6.6
10°-20°	3349.1	18.6
20°-30°	4890.8	27.2
30°-40°	4398.5	24.5
40°-50°	2405.5	13.4
50°-60°	1192.6	6.6
60°-70°	471.0	2.6
70°-80°	75.9	0.4
80°-90°	12.4	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°	9429.1	52.4
0°-40°	13827.7	76.9
0°-60°	17425.8	96.9
0°-90°	17985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17985.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12691	
5°	12557	###
15°	11866	3349
25°	10793	4891
35°	7099	4399
45°	2995	2406
55°	1294	1193
65°	471	471
75°	58	76
85°	16	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12691.0
2.5°	12655.8
5°	12557.1
7.5°	12428.8
10°	12248.4
12.5°	12056.6
15°	11865.9
17.5°	11661.6
20°	11430.1
22.5°	11165.6
25°	10793.4
27.5°	10166.9
30°	9330.4
32.5°	8276.0
35°	7099.1
37.5°	5924.4
40°	4802.0
42.5°	3790.7
45°	2995.1
47.5°	2400.4
50°	1981.6
52.5°	1612.8
55°	1293.8
57.5°	1045.3
60°	836.5
62.5°	661.7
65°	471.0
67.5°	280.3
70°	169.1
72.5°	95.3
75°	57.9
77.5°	37.5
80°	27.2
82.5°	9.1
85°	15.9
87.5°	6.8
90°	0.0

(END OF REPORT)