

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: P249923

Luminaire Tested: **LD8B200D010 ER8B200935 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200935 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17893.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

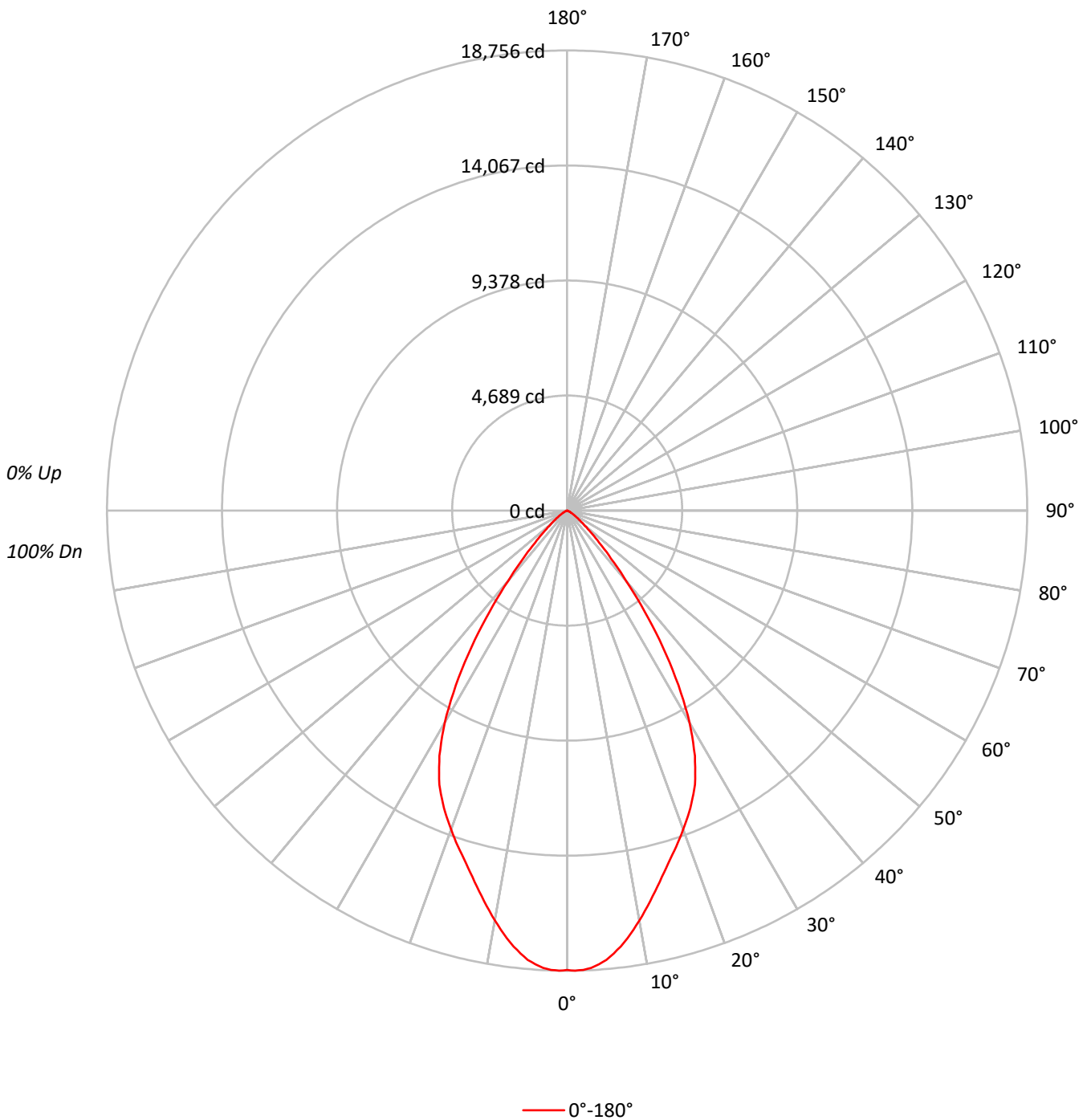
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	577509
5°	569005
10°	531027
15°	487427
20°	453970
25°	419429
30°	355679
35°	255871
40°	150731
45°	80555
50°	42029
55°	23703
60°	13081
65°	7734
70°	3525
75°	1990
80°	994
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1707.4	9.5
10°-20°	4295.8	24.0
20°-30°	5576.8	31.2
30°-40°	4209.3	23.5
40°-50°	1540.2	8.6
50°-60°	430.6	2.4
60°-70°	113.2	0.6
70°-80°	19.0	0.1
80°-90°	0.8	0.0
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°	11580.0	64.7
0°-40°	15789.3	88.2
0°-60°	17760.1	99.3
0°-90°	17893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17893.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18728	
5°	18382	###
15°	15268	4296
25°	12327	5577
35°	6797	4209
45°	1847	1540
55°	441	431
65°	106	113
75°	17	19
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18728.2
1°	18756.1
2°	18733.8
3°	18661.3
4°	18538.5
5°	18382.2
6°	18153.4
7°	17902.3
8°	17612.1
9°	17294.0
10°	16959.2
11°	16624.4
12°	16278.4
13°	15926.8
14°	15592.0
15°	15268.3
16°	14961.4
17°	14665.6
18°	14397.7
19°	14118.7
20°	13834.1
22.5°	13125.4
25°	12327.4
27.5°	11272.7
30°	9989.1
32.5°	8443.3
35°	6797.1
37.5°	5189.9
40°	3744.5
42.5°	2650.7
45°	1847.2
47.5°	1300.3
50°	876.1
52.5°	641.8
55°	440.9
57.5°	318.1
60°	212.1
62.5°	156.3
65°	106.0
67.5°	72.5
70°	39.1
72.5°	27.9
75°	16.7
77.5°	5.6
80°	5.6



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)