

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: P250308

Luminaire Tested: **LD8B200D010 ER8B200835 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200835 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16930.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

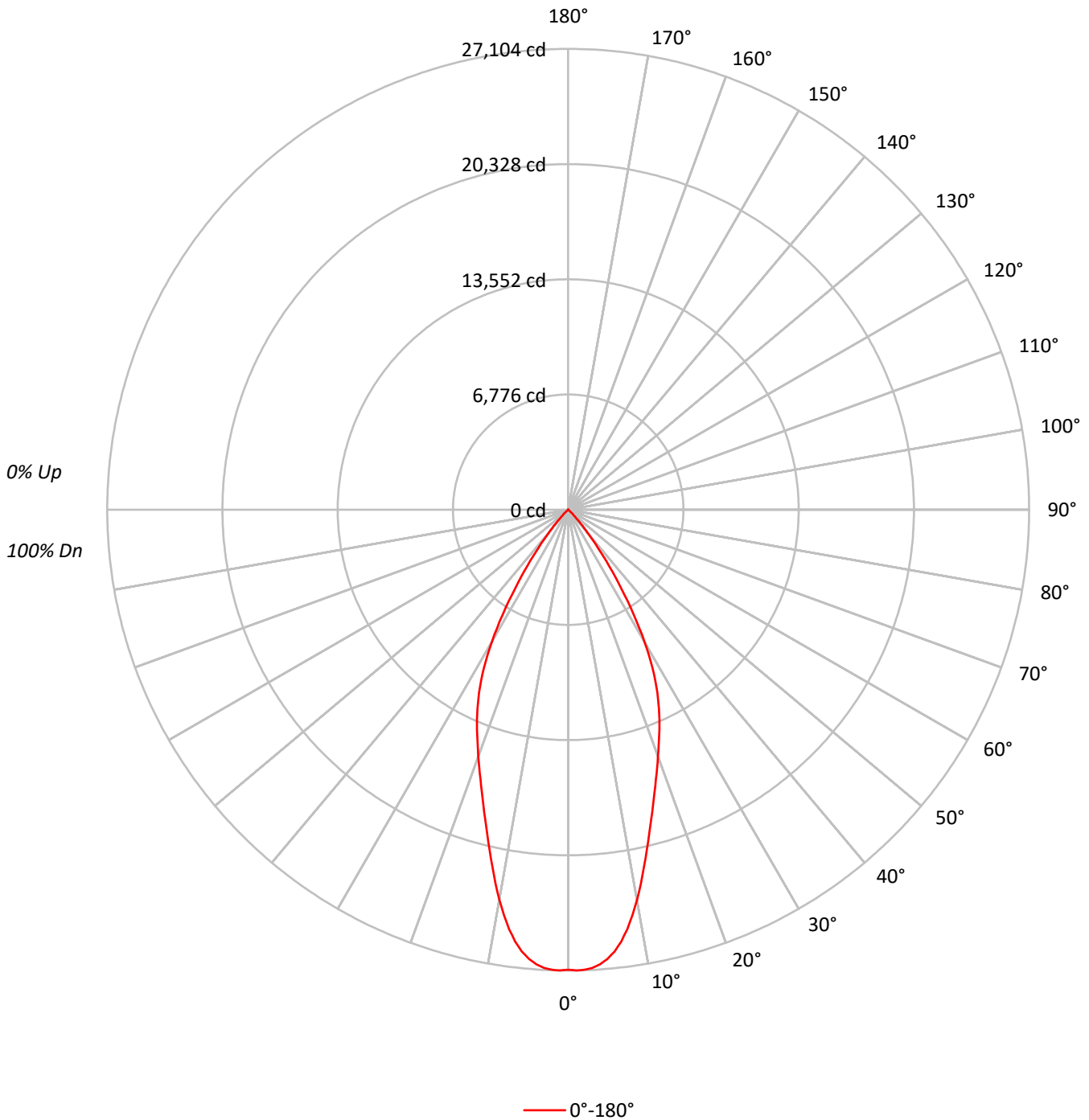
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	112	109	107	105	105	104	102		101	100	99		98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72		79	75	71		77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	834199
5°	820869
10°	729326
15°	601629
20°	506692
25°	427367
30°	319987
35°	181091
40°	71604
45°	19223
50°	3684
55°	0
60°	530
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2428.5	14.3
10°-20°	5278.2	31.2
20°-30°	5666.5	33.5
30°-40°	3062.6	18.1
40°-50°	477.8	2.8
50°-60°	13.1	0.1
60°-70°	3.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	13373.2	79.0
0°-40°	16435.9	97.1
0°-60°	16926.8	100.0
0°-90°	16930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16930.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27052	
5°	26519	###
15°	18846	5278
25°	12561	5667
35°	4811	3063
45°	441	478
55°	0	13
65°	0	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	27052.5
1°	27103.8
2°	27078.4
3°	26985.6
4°	26807.5
5°	26518.9
6°	26121.7
7°	25587.2
8°	24918.3
9°	24148.3
10°	23292.2
11°	22394.1
12°	21462.5
13°	20531.7
14°	19666.8
15°	18845.6
16°	18091.6
17°	17363.1
18°	16685.5
19°	16051.0
20°	15440.7
21°	14847.6
22°	14288.2
23°	13730.0
24°	13145.6
25°	12560.7
26°	11967.6
27°	11290.4
28°	10544.7
29°	9783.4
30°	8986.7
31°	8131.4
32°	7275.2
33°	6428.5
34°	5573.2
35°	4810.6
37.5°	3074.5
40°	1778.8
42.5°	948.9
45°	440.8
47.5°	237.7
50°	76.8
52.5°	8.6
55°	0.0
57.5°	8.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	8.6
62.5°	0.0
65°	0.0
67.5°	8.6
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)