

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: P250042

Luminaire Tested: **LD8B200D010 ER8B200827 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250042
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 ER8B200827 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18254.0 lumens
Efficiency: N/A
Efficacy: 81.7 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

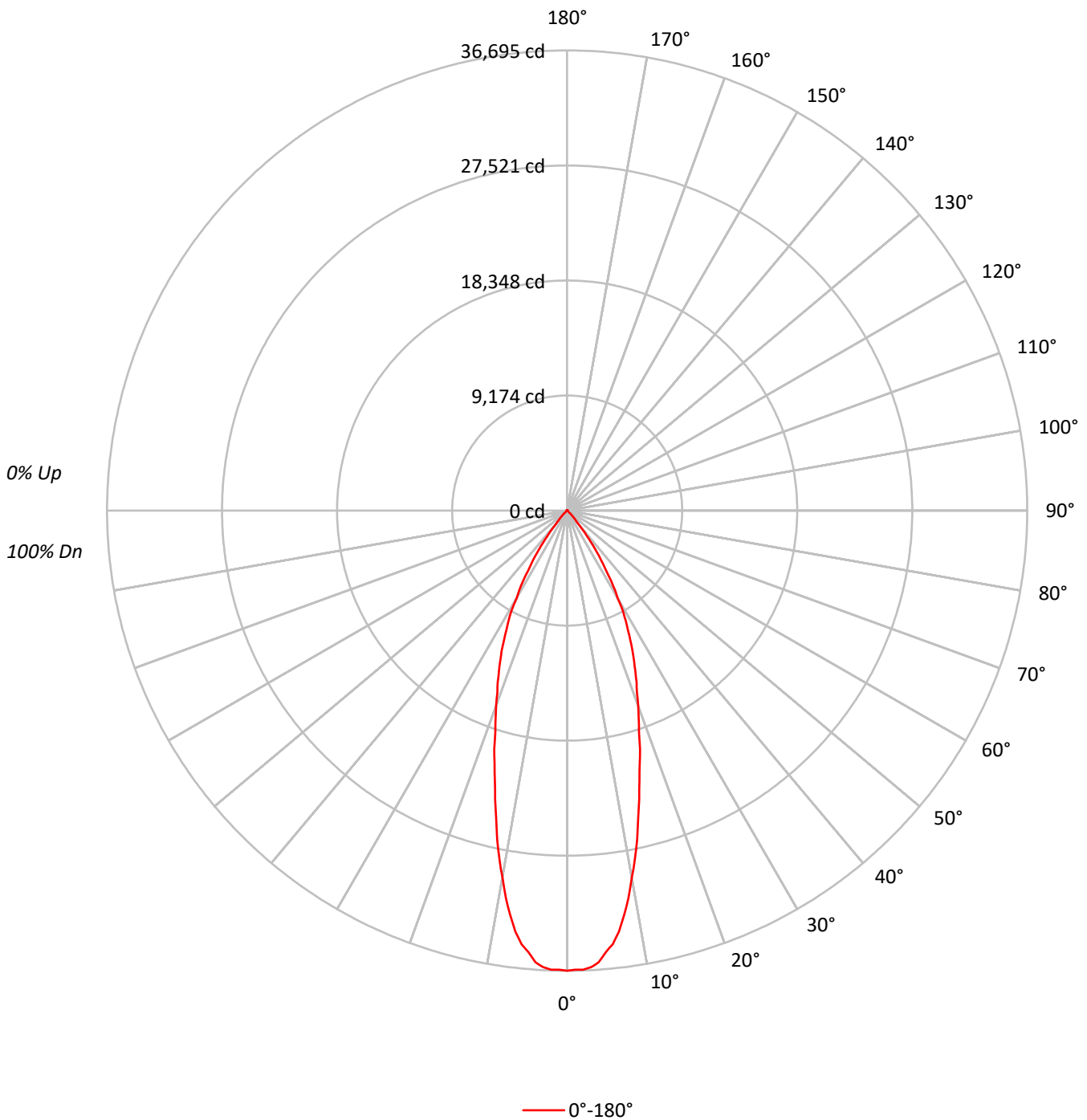
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1131539
5°	1094259
10°	930596
15°	710270
20°	542824
25°	420647
30°	286897
35°	168559
40°	51541
45°	20274
50°	307
55°	344
60°	395
65°	934
70°	1731
75°	1525
80°	1137
85°	6793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3204.8	17.6
10°-20°	6210.1	34.0
20°-30°	5591.1	30.6
30°-40°	2766.2	15.2
40°-50°	420.8	2.3
50°-60°	17.3	0.1
60°-70°	22.2	0.1
70°-80°	8.4	0.0
80°-90°	13.1	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°	15006.0	82.2
0°-40°	17772.2	97.4
0°-60°	18210.3	99.8
0°-90°	18254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18254.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	36695	
5°	35351	###
15°	22249	6210
25°	12363	5591
35°	4478	2766
45°	465	421
55°	6	17
65°	13	22
75°	13	8
85°	19	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	36695.0
1°	36618.6
2°	36637.5
3°	36452.8
4°	36115.3
5°	35351.0
6°	34765.0
7°	33835.1
8°	32586.7
9°	31287.1
10°	29720.1
11°	28319.0
12°	26815.8
13°	25153.3
14°	23720.2
15°	22248.7
16°	20993.9
17°	19885.7
18°	18522.6
19°	17522.5
20°	16541.8
21°	15522.5
22°	14777.3
23°	13911.0
24°	13114.8
25°	12363.2
26°	11477.8
27°	10681.8
28°	9968.3
29°	9184.8
30°	8057.4
31°	7420.6
32°	6617.9
33°	5738.9
34°	5070.1
35°	4477.7
37.5°	2834.3
40°	1280.4
42.5°	872.7
45°	464.9
47.5°	261.1
50°	6.4
52.5°	25.6
55°	6.4
57.5°	38.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	6.4
62.5°	31.9
65°	12.8
67.5°	31.9
70°	19.2
72.5°	6.4
75°	12.8
77.5°	0.0
80°	6.4
82.5°	25.6
85°	19.2
87.5°	0.0
90°	0.0

(END OF REPORT)