

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: P250055

Luminaire Tested: **LD8B175D010 ER8B175835 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250055
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: LD8B175D010 ER8B175835 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16507.0 lumens
Efficiency: N/A
Efficacy: 93.2 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

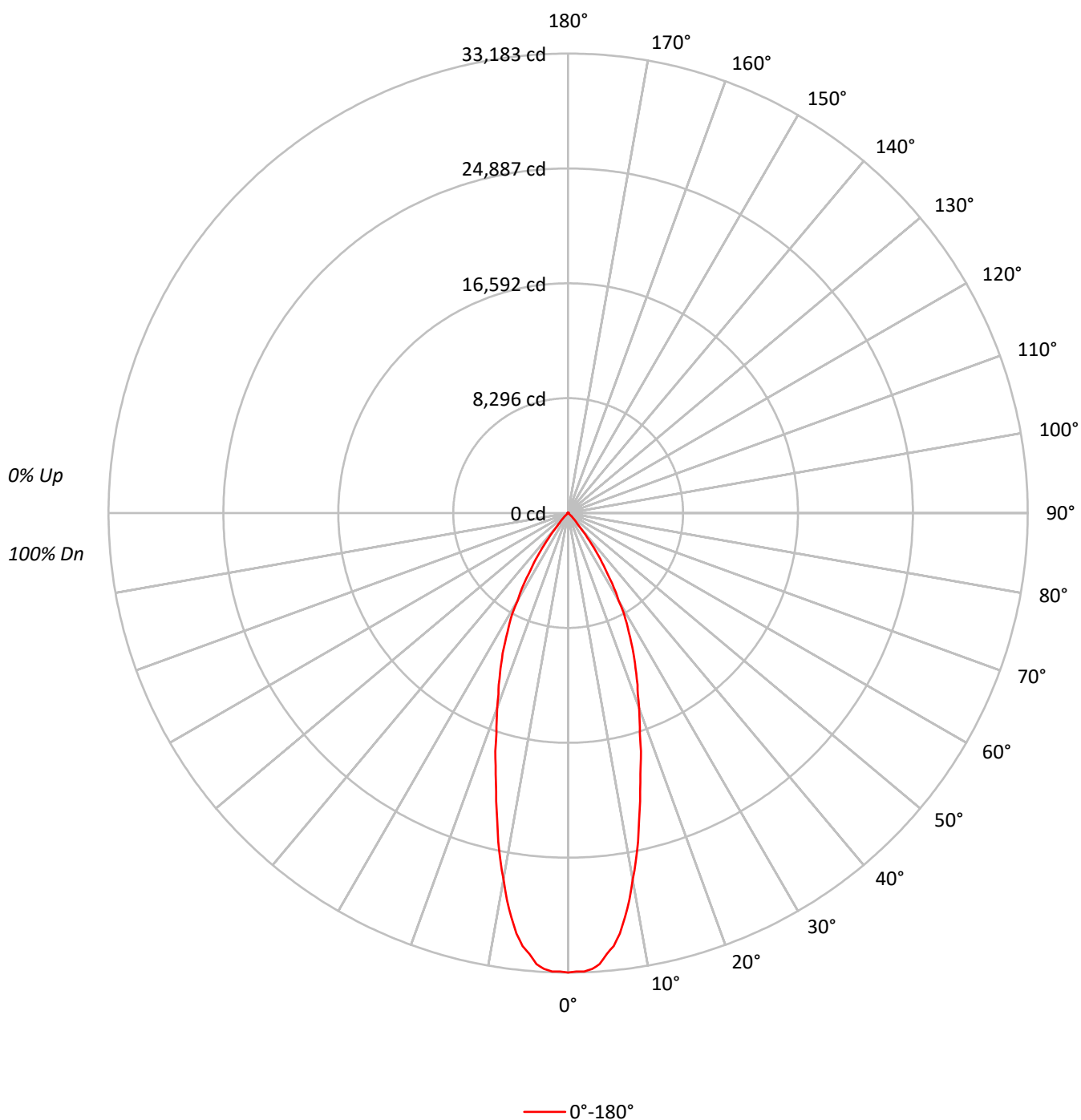
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		89
3	105	99	94	91	103	97	93	90	95	91	89		92	90	87		85
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		80
5	96	88	83	79	94	87	83	79	86	82	78		84	81	78		76
6	92	84	79	75	90	83	78	74	82	77	74		80	76	74		72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		65
9	81	72	67	64	80	72	67	64	71	66	63		70	66	63		62
10	78	69	64	61	77	69	64	61	68	63	60		67	63	60		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1023245
5°	989532
10°	841535
15°	642294
20°	490871
25°	380390
30°	259441
35°	152425
40°	46606
45°	18333
50°	278
55°	312
60°	358
65°	846
70°	1560
75°	1382
80°	1030
85°	6121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2898.1	17.6
10°-20°	5615.8	34.0
20°-30°	5056.0	30.6
30°-40°	2501.5	15.2
40°-50°	380.5	2.3
50°-60°	15.6	0.1
60°-70°	20.1	0.1
70°-80°	7.6	0.0
80°-90°	11.8	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°	13569.8	82.2
0°-40°	16071.3	97.4
0°-60°	16467.5	99.8
0°-90°	16507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16507.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33183	
5°	31968	###
15°	20119	5616
25°	11180	5056
35°	4049	2501
45°	420	381
55°	6	16
65°	12	20
75°	12	8
85°	17	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	33183.1
1°	33114.0
2°	33131.1
3°	32964.1
4°	32658.9
5°	31967.7
6°	31437.8
7°	30596.9
8°	29468.0
9°	28292.8
10°	26875.8
11°	25608.7
12°	24249.4
13°	22746.0
14°	21450.0
15°	20119.4
16°	18984.7
17°	17982.6
18°	16749.9
19°	15845.5
20°	14958.6
21°	14036.9
22°	13363.0
23°	12579.7
24°	11859.6
25°	11180.0
26°	10379.3
27°	9659.5
28°	9014.3
29°	8305.7
30°	7286.3
31°	6710.4
32°	5984.6
33°	5189.6
34°	4584.9
35°	4049.1
37.5°	2563.0
40°	1157.8
42.5°	789.1
45°	420.4
47.5°	236.1
50°	5.8
52.5°	23.1
55°	5.8
57.5°	34.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.8
62.5°	28.9
65°	11.6
67.5°	28.9
70°	17.3
72.5°	5.8
75°	11.6
77.5°	0.0
80°	5.8
82.5°	23.1
85°	17.3
87.5°	0.0
90°	0.0

(END OF REPORT)