

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: P250069

Luminaire Tested: **LD8B175D010 ER8B175850 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250069
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 ER8B175850 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16720.1 lumens
Efficiency: N/A
Efficacy: 94.4 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

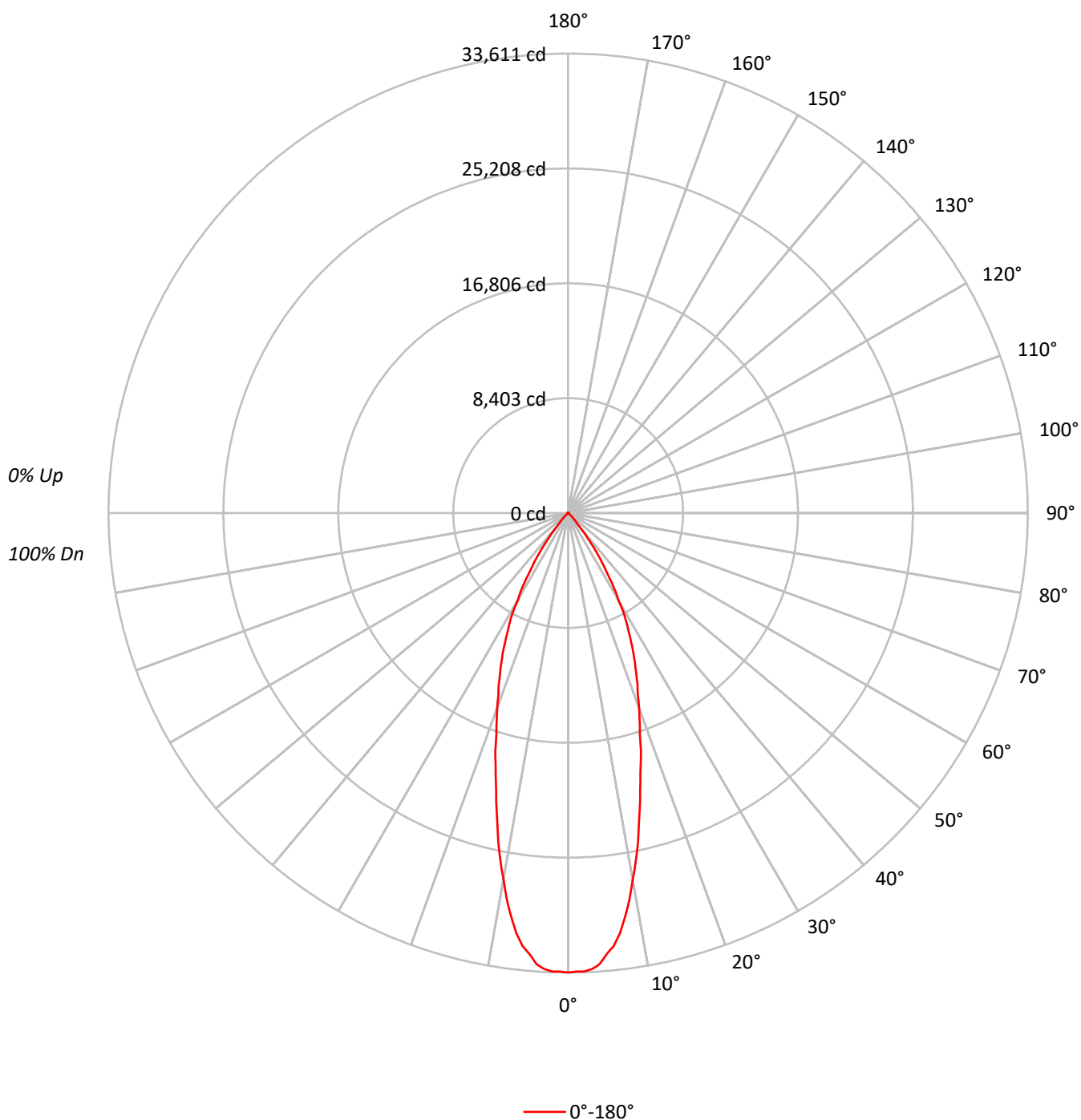
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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						10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	
1	114	112	109	107		112	109	107	106		105	104	102		102	100	99		98	97	96	
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	93	91	
3	105	99	94	91		103	97	93	90		95	91	89		92	90	87		90	88	86	
4	100	93	88	85		98	92	88	84		90	86	83		88	85	82		86	84	81	
5	96	88	83	79		94	87	83	79		86	82	78		84	81	78		83	80	77	
6	92	84	79	75		90	83	78	74		82	77	74		80	76	74		79	76	73	
7	88	80	74	71		87	79	74	70		78	73	70		77	73	70		76	72	69	
8	84	76	71	67		83	75	70	67		74	70	67		73	69	66		72	69	66	
9	81	72	67	64		80	72	67	64		71	66	63		70	66	63		69	66	63	
10	78	69	64	61		77	69	64	61		68	63	60		67	63	60		67	63	60	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1036449
5°	1002300
10°	852394
15°	650581
20°	497208
25°	385299
30°	262788
35°	154394
40°	47210
45°	18573
50°	283
55°	317
60°	364
65°	854
70°	1587
75°	1394
80°	1048
85°	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2935.5	17.6
10°-20°	5688.2	34.0
20°-30°	5121.2	30.6
30°-40°	2533.8	15.2
40°-50°	385.4	2.3
50°-60°	15.8	0.1
60°-70°	20.4	0.1
70°-80°	7.7	0.0
80°-90°	12.0	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°	13744.9	82.2
0°-40°	16278.7	97.4
0°-60°	16680.0	99.8
0°-90°	16720.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16720.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33611	
5°	32380	###
15°	20379	5688
25°	11324	5121
35°	4101	2534
45°	426	385
55°	6	16
65°	12	20
75°	12	8
85°	18	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	33611.3
1°	33541.3
2°	33558.6
3°	33389.4
4°	33080.3
5°	32380.2
6°	31843.5
7°	30991.7
8°	29848.2
9°	28657.9
10°	27222.6
11°	25939.1
12°	24562.3
13°	23039.5
14°	21726.8
15°	20379.0
16°	19229.7
17°	18214.6
18°	16966.0
19°	16049.9
20°	15151.7
21°	14218.0
22°	13535.5
23°	12742.0
24°	12012.6
25°	11324.3
26°	10513.2
27°	9784.1
28°	9130.6
29°	8412.9
30°	7380.3
31°	6797.0
32°	6061.8
33°	5256.6
34°	4644.0
35°	4101.4
37.5°	2596.1
40°	1172.8
42.5°	799.3
45°	425.9
47.5°	239.1
50°	5.9
52.5°	23.4
55°	5.9
57.5°	35.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.9
62.5°	29.3
65°	11.7
67.5°	29.3
70°	17.6
72.5°	5.9
75°	11.7
77.5°	0.0
80°	5.9
82.5°	23.4
85°	17.6
87.5°	0.0
90°	0.0

(END OF REPORT)