

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: P250341

Luminaire Tested: **LD8B150D010 ER8B150935 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250341
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: LD8B150D010 ER8B150935 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10848.0 lumens
Efficiency: N/A
Efficacy: 68.4 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

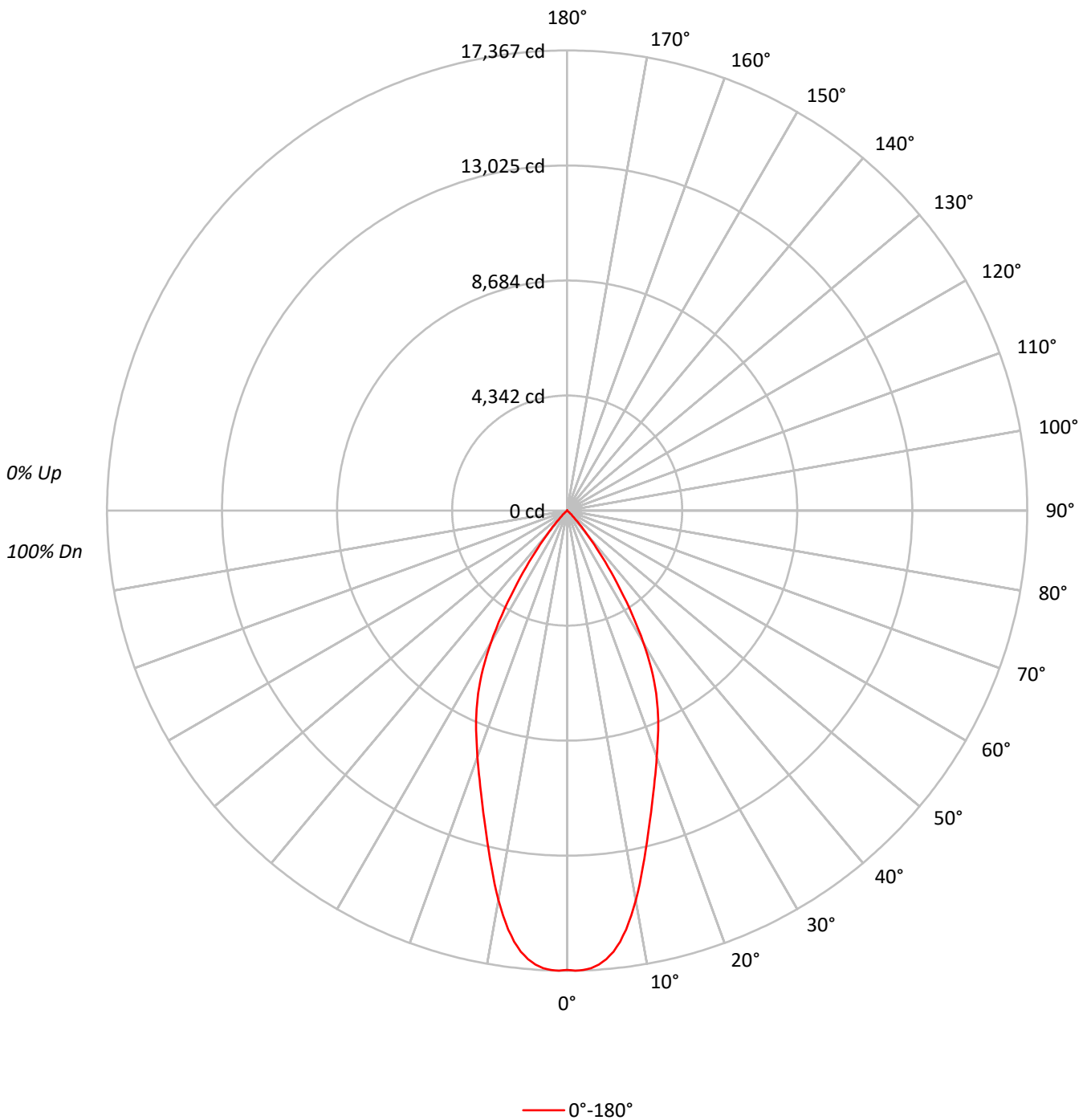
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250341

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBN0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P250341

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBN0GPH

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°	534517
5°	525978
10°	467319
15°	385496
20°	324665
25°	273836
30°	205034
35°	116034
40°	45881
45°	12320
50°	2360
55°	0
60°	339
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P250341

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBNOGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1556.1	14.3
10°-20°	3382.0	31.2
20°-30°	3630.9	33.5
30°-40°	1962.4	18.1
40°-50°	306.2	2.8
50°-60°	8.4	0.1
60°-70°	2.1	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°	8569.0	79.0
0°-40°	10531.4	97.1
0°-60°	10845.9	100.0
0°-90°	10848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10848.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17334	
5°	16992	###
15°	12075	3382
25°	8048	3631
35°	3082	1962
45°	282	306
55°	0	8
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P250341

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBNOGPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	17334.0
1°	17366.9
2°	17350.6
3°	17291.2
4°	17177.1
5°	16992.2
6°	16737.6
7°	16395.2
8°	15966.5
9°	15473.2
10°	14924.6
11°	14349.2
12°	13752.2
13°	13155.8
14°	12601.6
15°	12075.4
16°	11592.3
17°	11125.5
18°	10691.3
19°	10284.8
20°	9893.7
21°	9513.7
22°	9155.2
23°	8797.6
24°	8423.1
25°	8048.3
26°	7668.3
27°	7234.4
28°	6756.6
29°	6268.8
30°	5758.3
31°	5210.2
32°	4661.6
33°	4119.1
34°	3571.1
35°	3082.4
37.5°	1970.0
40°	1139.8
42.5°	608.0
45°	282.5
47.5°	152.3
50°	49.2
52.5°	5.5
55°	0.0
57.5°	5.5



TEST NUMBER: P250341

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBNOGPH

CANDELA DISTRIBUTION (continued):

	0°
60°	5.5
62.5°	0.0
65°	0.0
67.5°	5.5
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)