

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: P249858

Luminaire Tested: **LD8B150D010 ER8B1509727 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B150D010 ER8B1509727 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9923.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

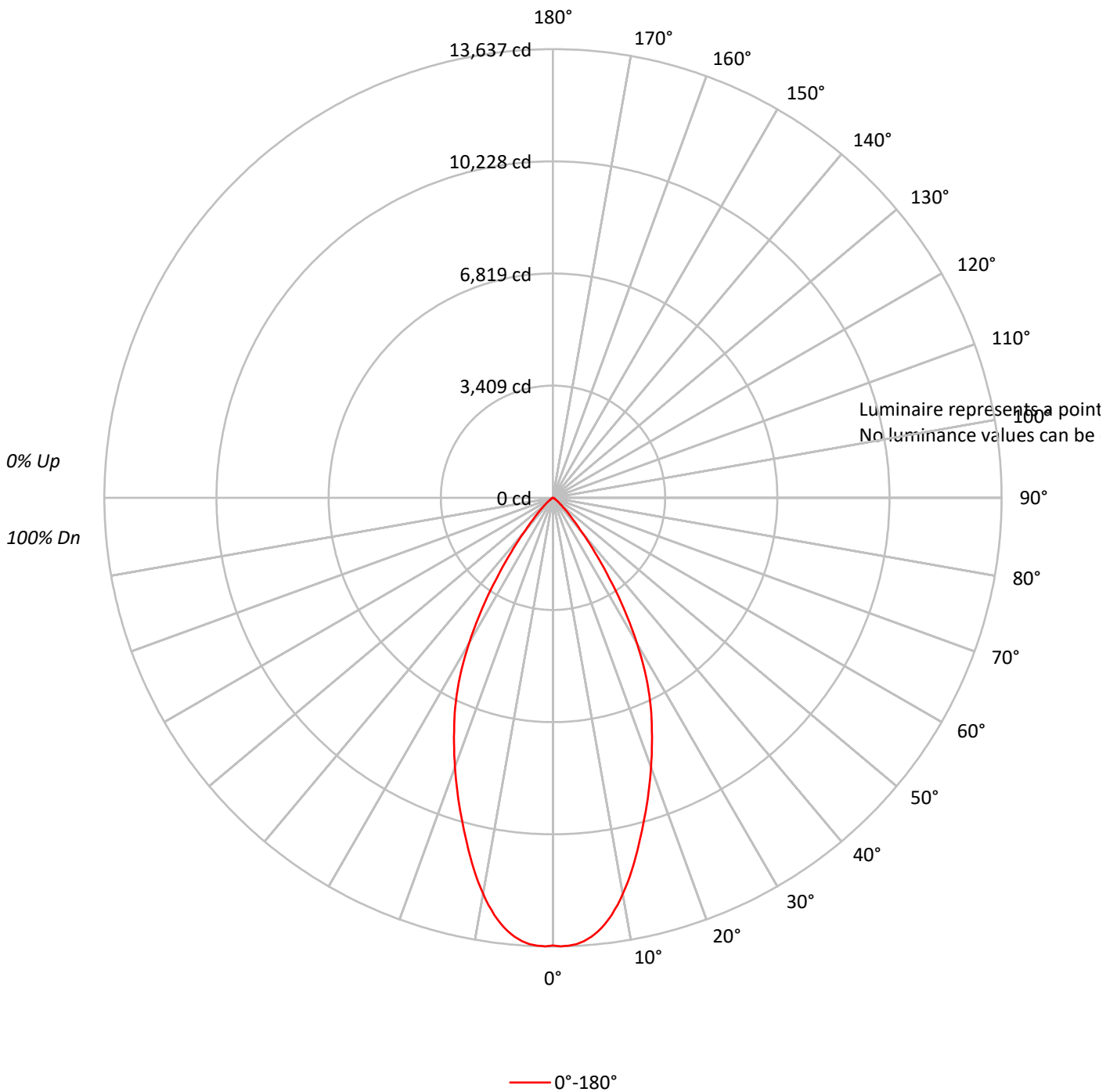
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249858

CATALOG NUMBER: LD8B150D010 ER8B1509727 8LBN0H

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	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1241.1	12.5
10°-20°	2913.7	29.4
20°-30°	3184.5	32.1
30°-40°	1895.1	19.1
40°-50°	519.8	5.2
50°-60°	117.8	1.2
60°-70°	36.4	0.4
70°-80°	11.1	0.1
80°-90°	3.7	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°	7339.3	74.0
0°-40°	9234.3	93.1
0°-60°	9871.9	99.5
0°-90°	9923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9923.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13610	
5°	13392	###
15°	10457	2914
25°	7035	3185
35°	2999	1895
45°	608	520
55°	118	118
65°	37	36
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13610.0
1°	13636.9
2°	13620.1
3°	13586.5
4°	13509.3
5°	13391.8
6°	13240.7
7°	13039.2
8°	12804.1
9°	12532.1
10°	12226.5
11°	11900.8
12°	11551.6
13°	11192.3
14°	10819.5
15°	10456.9
16°	10100.9
17°	9751.7
18°	9402.4
19°	9053.2
20°	8714.1
22.5°	7861.1
25°	7035.0
27.5°	6125.0
30°	5114.3
32.5°	4029.6
35°	2998.7
37.5°	2085.3
40°	1383.5
42.5°	906.7
45°	607.8
47.5°	403.0
50°	268.6
52.5°	164.5
55°	117.5
57.5°	84.0
60°	63.8
62.5°	47.0
65°	36.9
67.5°	23.5
70°	16.8
72.5°	13.4
75°	10.1
77.5°	6.7
80°	6.7



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	3.4
85°	3.4
87.5°	3.4
90°	0.0

(END OF REPORT)