

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: P247093

Luminaire Tested: **LD8B120D010 ER8B120930 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120930 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10845.6 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

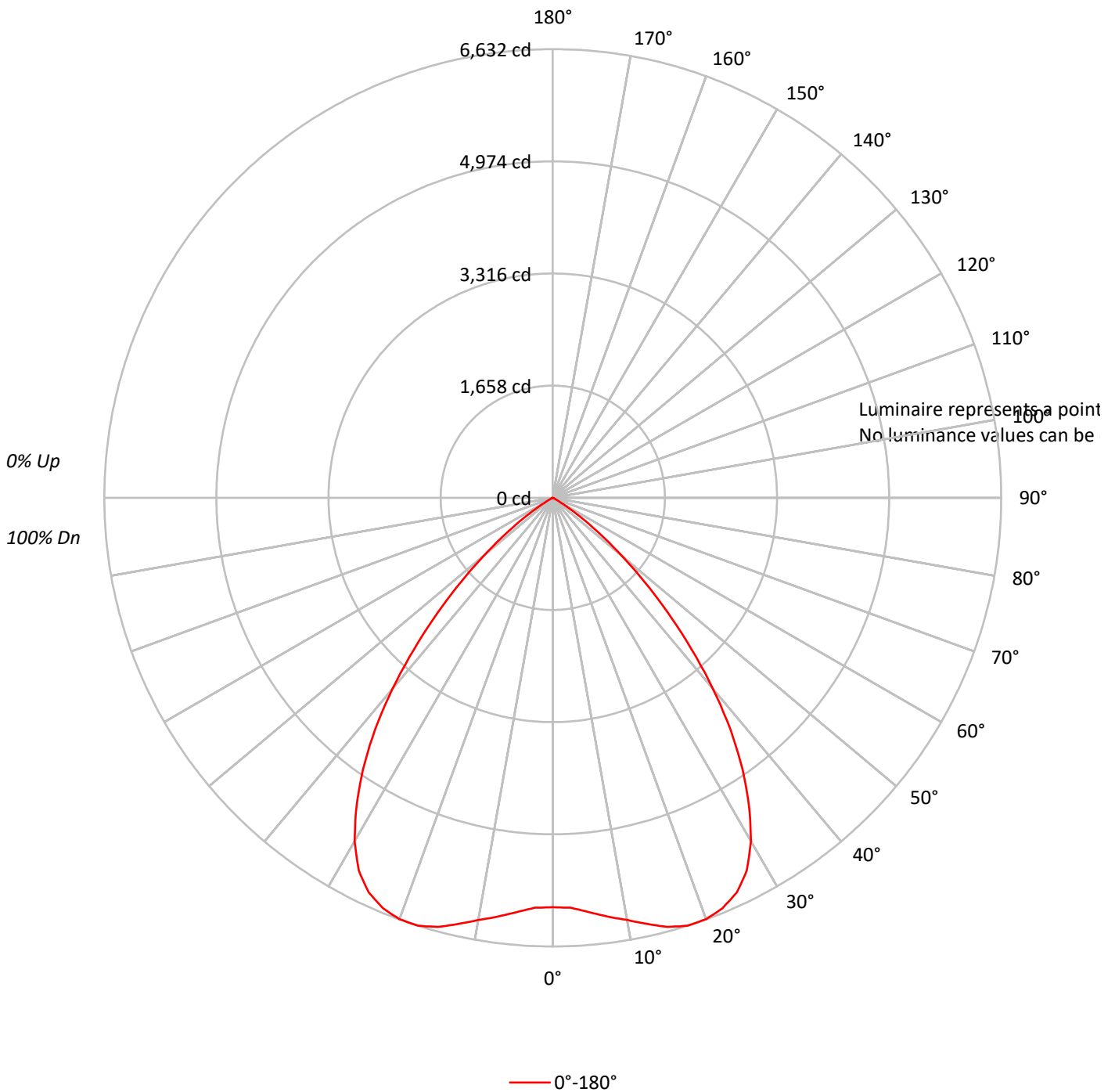
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P247093

CATALOG NUMBER: LD8B120D010 ER8B120930 8LBW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P247093

CATALOG NUMBER: LD8B120D010 ER8B120930 8LBW0LI

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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	94	92
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	70		77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	72	61	54	49	71	60	54	49	59	53	49		58	52	48		57	52	48	47
9	68	56	50	45	66	56	49	45	55	49	45		54	48	45		53	48	44	43
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P247093

CATALOG NUMBER: LD8B120D010 ER8B120930 8LBW0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.9	5.5
10°-20°	1856.6	17.1
20°-30°	2936.0	27.1
30°-40°	3016.9	27.8
40°-50°	1871.4	17.3
50°-60°	530.5	4.9
60°-70°	35.8	0.3
70°-80°	4.8	0.0
80°-90°	0.6	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°	5385.6	49.7
0°-40°	8402.5	77.5
0°-60°	10804.4	99.6
0°-90°	10845.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10845.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6052	
5°	6147	593
15°	6567	1857
25°	6439	2936
35°	4891	3017
45°	2416	1871
55°	531	531
65°	22	36
75°	4	5
85°	0	1
90°	0	



TEST NUMBER: P247093

CATALOG NUMBER: LD8B120D010 ER8B120930 8LBW0LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	6052.2
2.5°	6063.7
5°	6146.7
7.5°	6244.1
10°	6337.0
12.5°	6451.9
15°	6566.8
17.5°	6632.2
20°	6627.9
22.5°	6563.8
25°	6438.8
27.5°	6212.0
30°	5861.7
32.5°	5400.9
35°	4890.6
37.5°	4313.5
40°	3686.9
42.5°	3035.4
45°	2416.2
47.5°	1840.6
50°	1320.0
52.5°	888.3
55°	530.7
57.5°	273.3
60°	119.3
62.5°	48.0
65°	21.7
67.5°	13.1
70°	8.6
72.5°	5.8
75°	4.4
77.5°	2.9
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)