

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: P247765

Luminaire Tested: **LD8B120D010 ER8B120930 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120930 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11270.5 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

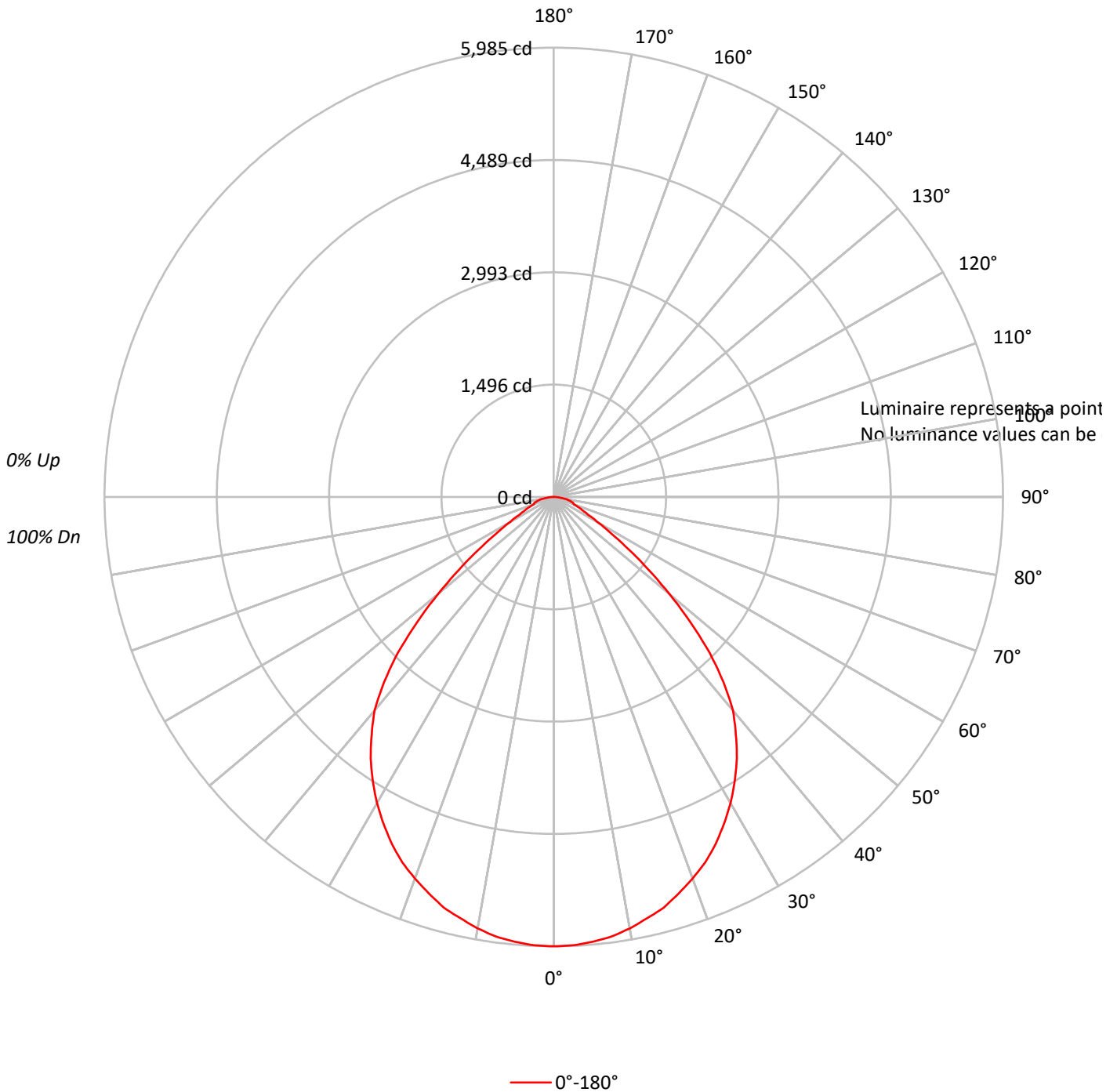
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.4	5.0
10°-20°	1593.2	14.1
20°-30°	2343.9	20.8
30°-40°	2647.5	23.5
40°-50°	2229.6	19.8
50°-60°	1124.9	10.0
60°-70°	440.7	3.9
70°-80°	248.8	2.2
80°-90°	77.4	0.7
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°	4501.5	39.9
0°-40°	7149.0	63.4
0°-60°	10503.5	93.2
0°-90°	11270.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11270.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5985	
5°	5947	564
15°	5664	1593
25°	5100	2344
35°	4253	2647
45°	2936	2230
55°	1214	1125
65°	427	441
75°	242	249
85°	69	77
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5984.8
2.5°	5978.7
5°	5947.0
7.5°	5905.8
10°	5835.1
12.5°	5747.6
15°	5663.6
17.5°	5535.9
20°	5408.2
22.5°	5269.5
25°	5100.4
27.5°	4909.4
30°	4710.0
32.5°	4486.1
35°	4252.6
37.5°	3984.9
40°	3713.8
42.5°	3343.9
45°	2936.5
47.5°	2469.3
50°	2007.0
52.5°	1589.9
55°	1213.9
57.5°	914.7
60°	688.5
62.5°	525.5
65°	427.0
67.5°	347.8
70°	282.2
72.5°	272.5
75°	242.0
77.5°	201.9
80°	170.3
82.5°	108.3
85°	69.4
87.5°	21.9
90°	0.0

(END OF REPORT)