

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: P247749

Luminaire Tested: **LD8B120D010 ER8B120935 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247749
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 ER8B120935 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11639.0 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

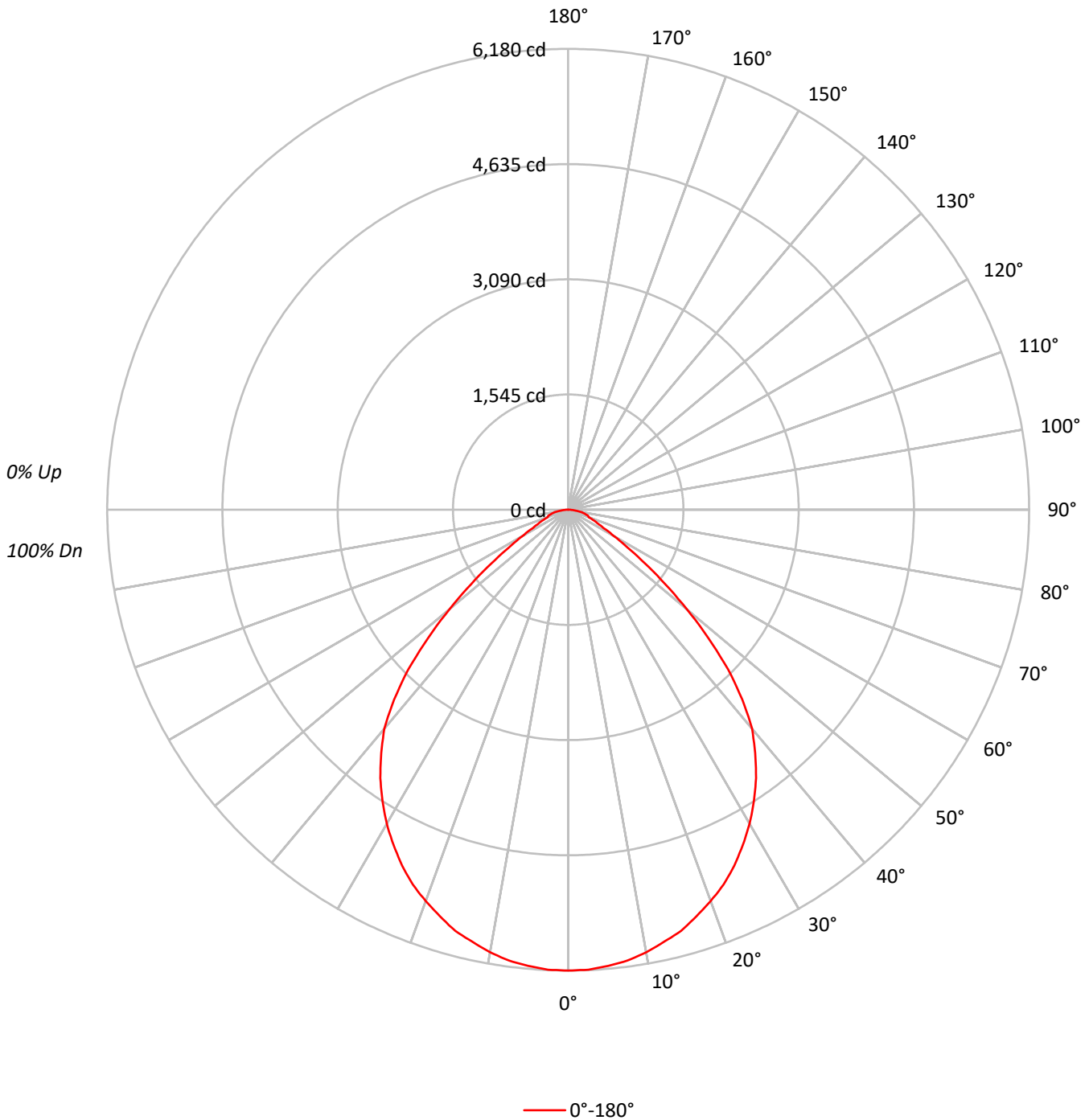
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	190581
5°	190105
10°	188683
15°	186718
20°	183274
25°	179212
30°	173191
35°	165318
40°	154378
45°	132240
50°	99433
55°	67401
60°	43849
65°	32170
70°	26272
75°	29786
80°	31236
85°	25333



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.8	5.0
10°-20°	1645.3	14.1
20°-30°	2420.6	20.8
30°-40°	2734.1	23.5
40°-50°	2302.6	19.8
50°-60°	1161.7	10.0
60°-70°	455.1	3.9
70°-80°	257.0	2.2
80°-90°	79.9	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°	4648.7	39.9
0°-40°	7382.8	63.4
0°-60°	10847.0	93.2
0°-90°	11639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11639.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6180	
5°	6142	583
15°	5849	1645
25°	5267	2421
35°	4392	2734
45°	3032	2303
55°	1254	1162
65°	441	455
75°	250	257
85°	72	80
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6180.4
2.5°	6174.2
5°	6141.5
7.5°	6098.8
10°	6025.9
12.5°	5935.5
15°	5848.8
17.5°	5716.9
20°	5585.0
22.5°	5441.8
25°	5267.2
27.5°	5070.0
30°	4864.0
32.5°	4632.8
35°	4391.6
37.5°	4115.3
40°	3835.1
42.5°	3453.3
45°	3032.4
47.5°	2550.1
50°	2072.7
52.5°	1641.8
55°	1253.7
57.5°	944.7
60°	711.0
62.5°	542.7
65°	440.9
67.5°	359.3
70°	291.4
72.5°	281.4
75°	250.0
77.5°	208.5
80°	175.9
82.5°	111.8
85°	71.6
87.5°	22.6
90°	0.0

(END OF REPORT)