

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: STREETWORKS

Report Number: P636289

Luminaire Tested: **IFLD-M-SA4B-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636289
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13518.3 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

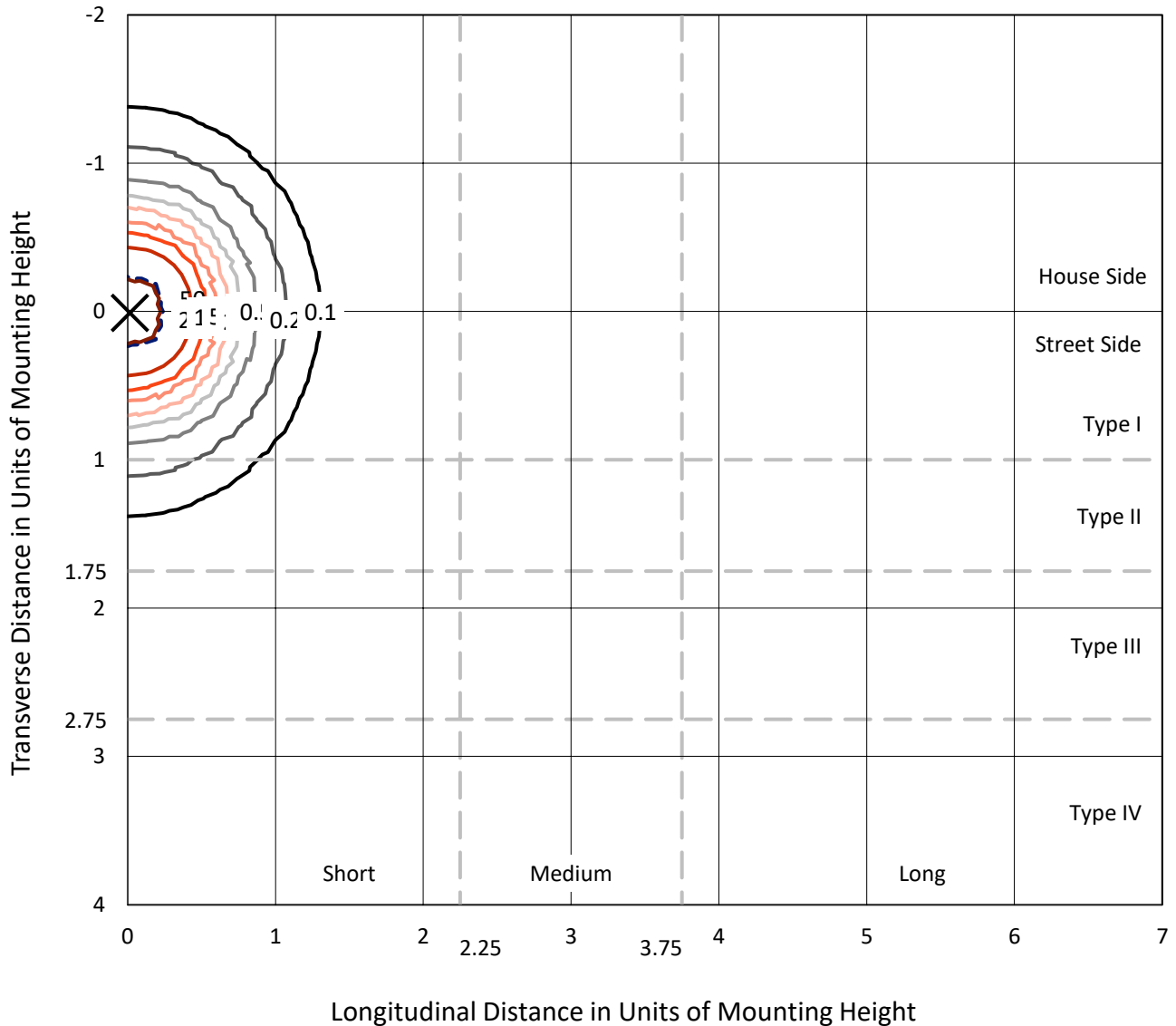
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636289
 CATALOG NUMBER: IFLD-M-SA4B-927-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

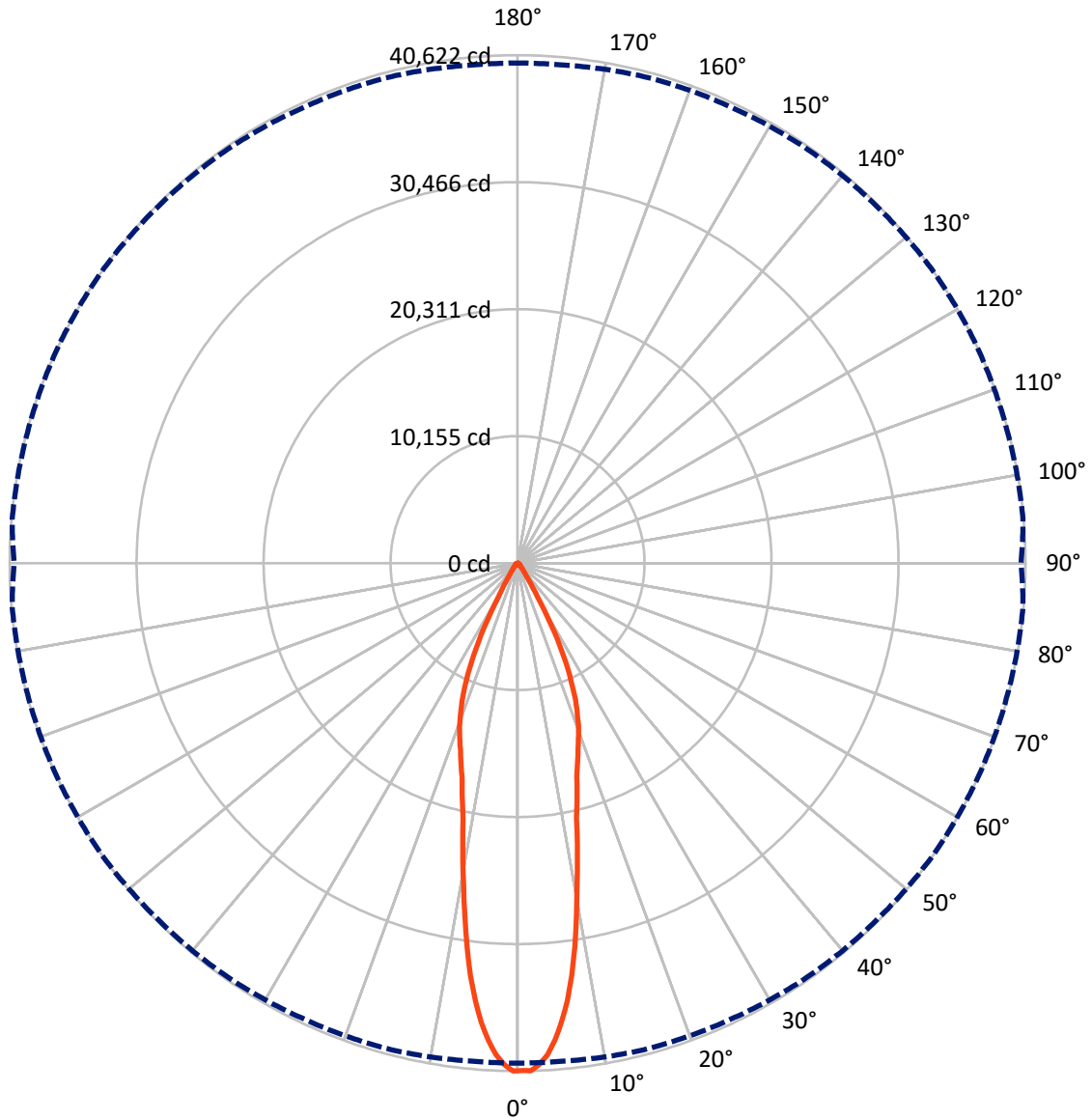
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 101.4 fc
 Type V - Short - N/A

REPORT NUMBER: P636289
CATALOG NUMBER: IFLD-M-SA4B-927-U-44-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636289

CATALOG NUMBER: IFLD-M-SA4B-927-U-44-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6759.2	0.0	6759.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6759.2	0.0	6759.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	13518.3	0.0	13518.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3087.2	22.8
10°-20°	5042.2	37.3
20°-30°	3940.2	29.1
30°-40°	858.8	6.4
40°-50°	254.3	1.9
50°-60°	159.0	1.2
60°-70°	111.2	0.8
70°-80°	47.7	0.4
80°-90°	17.6	0.1
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°-90°	13518.3	100.0
0°-180°	13518.3	100.0

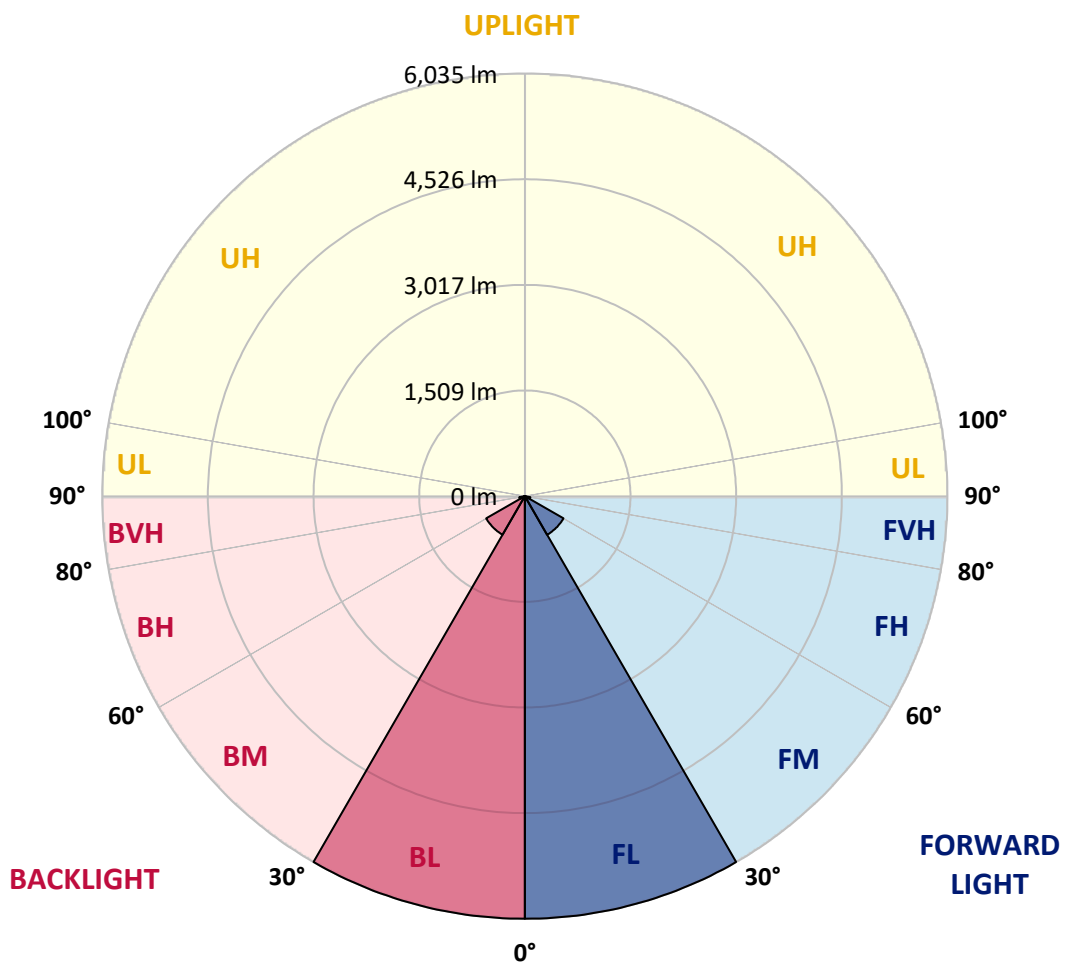


REPORT NUMBER: P636289
 CATALOG NUMBER: IFLD-M-SA4B-927-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6034.8	44.6			
FM (30°-60°)	636.1	4.7			
FH (60°-80°)	79.5	0.6			G0/660
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	6034.8	44.6	B5		
BM (30°-60°)	636.1	4.7	B1/1000		
BH (60°-80°)	79.5	0.6	B0/110		G0/660
BVH (80°-90°)	8.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





REPORT NUMBER: P636289
 CATALOG NUMBER: IFLD-M-SA4B-927-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	40575.4	40575.4	40575.4	40575.4	40575.4	40575.4	40575.4	40575.4	40575.4	40575.4
1°	39988.0	39992.9	40210.7	40259.7	40408.9	40484.8	40621.9	40607.2	40565.6	40570.5
2°	39251.4	39219.6	39422.7	39647.9	39826.5	39973.3	40137.3	40171.6	40132.4	40169.1
3°	38040.0	37993.5	38277.4	38558.8	38869.6	39121.7	39368.9	39378.7	39332.2	39329.7
4°	36446.9	36361.2	36698.9	37200.6	37592.2	37927.4	38235.8	38230.9	38167.3	38218.7
5°	34520.9	34413.2	34851.2	35512.0	36092.0	36495.8	36836.0	36755.2	36608.4	36615.7
6°	32156.8	32262.1	32798.0	33725.5	34410.7	34746.0	35164.5	35012.8	34758.3	34731.3
7°	29934.7	30172.1	30600.4	31718.8	32533.7	32886.1	33241.0	32935.1	32590.0	32533.7
8°	27595.2	27991.6	28583.8	29614.1	30482.9	30837.8	30972.4	30644.4	30274.9	30260.2
9°	25698.5	25970.2	26479.2	27387.1	28270.6	28508.0	28537.3	28251.0	27881.5	27906.0
10°	23973.2	24024.6	24465.1	25245.8	25953.1	26121.9	26114.6	25906.6	25603.1	25683.9
12.5°	20111.5	20251.0	20378.2	20627.8	20865.2	20975.4	20933.8	20848.1	20681.7	20689.0
15°	17490.5	17488.0	17502.7	17617.7	17688.7	17700.9	17700.9	17593.3	17522.3	17627.5
17.5°	15177.8	15305.1	15532.7	15625.7	15718.7	15684.4	15620.8	15571.8	15525.3	15615.9
20°	13379.1	13435.4	13437.8	13499.0	13968.9	13993.4	13912.6	13773.1	13655.6	13633.6
22.5°	11355.2	11440.9	11477.6	11531.4	11580.4	11937.7	11842.2	11617.1	11477.6	11436.0
25°	8523.8	8494.4	8734.2	9174.7	9245.7	9289.8	9265.3	9147.8	9057.3	9074.4
27.5°	5890.5	5941.9	5932.1	5937.0	6404.4	6402.0	6394.7	6291.9	6265.0	6225.8
30°	3294.0	3269.5	3281.8	3249.9	3183.9	3264.6	3134.9	3245.0	3137.4	3171.6
32.5°	1948.0	1930.9	1913.7	1921.1	1872.1	1752.2	1700.8	1776.7	1752.2	1742.4
35°	1243.2	1250.5	1272.6	1270.1	1226.1	1157.5	1084.1	1152.7	1142.9	1113.5
37.5°	792.9	792.9	800.2	863.9	827.2	768.4	717.0	746.4	744.0	739.1
40°	562.9	562.9	572.7	589.8	570.2	540.8	511.5	511.5	516.4	501.7
42.5°	418.5	418.5	428.3	438.1	413.6	403.8	389.1	379.3	391.6	379.3
45°	327.9	325.5	327.9	323.0	308.4	308.4	296.1	281.4	296.1	288.8
47.5°	269.2	266.7	264.3	254.5	239.8	242.3	237.4	225.1	232.5	230.0
50°	234.9	230.0	232.5	222.7	210.5	208.0	208.0	195.8	198.2	198.2
52.5°	205.6	205.6	203.1	198.2	193.3	183.5	186.0	173.8	173.8	173.8
55°	193.3	193.3	188.4	178.6	181.1	173.8	166.4	159.1	156.6	156.6
57.5°	190.9	190.9	188.4	178.6	171.3	168.9	159.1	149.3	141.9	144.4
60°	186.0	186.0	181.1	178.6	166.4	161.5	146.8	139.5	129.7	129.7
62.5°	178.6	176.2	166.4	151.7	151.7	139.5	129.7	115.0	107.7	105.2
65°	151.7	149.3	141.9	129.7	122.4	115.0	100.3	85.7	80.8	73.4
67.5°	124.8	124.8	119.9	107.7	102.8	93.0	75.9	66.1	53.8	48.9
70°	102.8	102.8	97.9	90.5	85.7	73.4	58.7	48.9	36.7	31.8
72.5°	83.2	83.2	78.3	73.4	68.5	61.2	48.9	36.7	24.5	19.6
75°	66.1	66.1	63.6	58.7	53.8	48.9	39.2	29.4	17.1	9.8
77.5°	53.8	53.8	51.4	48.9	44.1	39.2	31.8	24.5	12.2	4.9
80°	41.6	41.6	41.6	41.6	36.7	31.8	26.9	19.6	9.8	2.4
82.5°	29.4	29.4	31.8	36.7	29.4	24.5	24.5	19.6	7.3	2.4
85°	19.6	22.0	24.5	22.0	19.6	19.6	34.3	31.8	7.3	2.4
87.5°	9.8	9.8	9.8	9.8	9.8	7.3	9.8	7.3	4.9	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
40575.4
40269.5
39880.3
39116.8
37976.4
36258.4
34374.0
32267.0
29724.3
27541.3
25400.0
20446.8
17382.8
15407.9
13491.7
11286.7
9015.7
6083.9
3213.2
1718.0
1081.7
729.3
496.8
376.9
288.8
230.0
200.7
173.8
154.2
144.4
122.4
100.3
71.0
46.5
29.4
17.1
7.3
4.9
2.4
2.4
2.4
0.0
0.0

OF REPORT)