

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: P479680

Luminaire Tested: **IFLD-S-SA3D-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479680
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

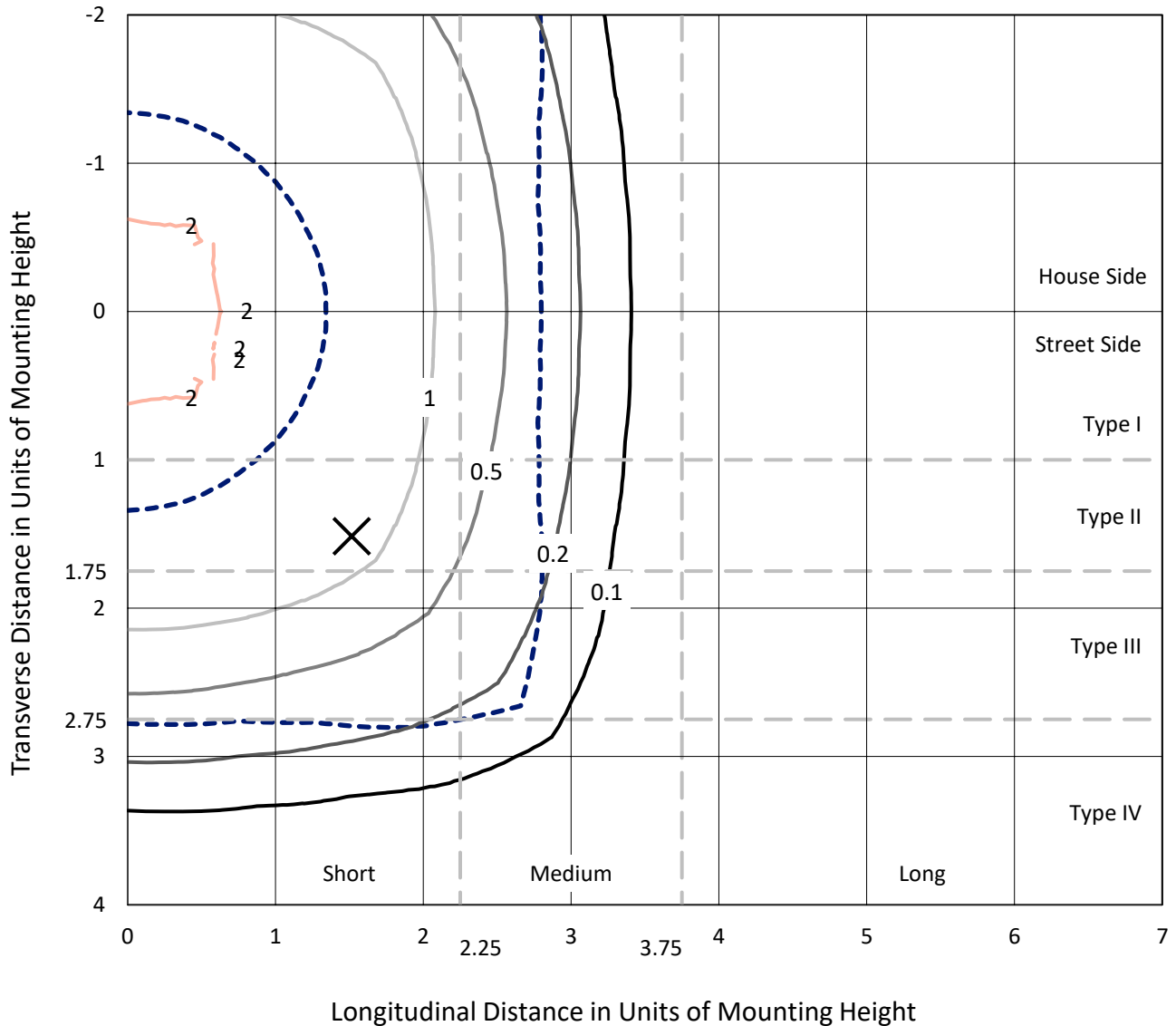
Lumens per Lamp: N/A
Luminaire Lumens: 23589.8 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 184.1
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: 24 FT

REPORT NUMBER: P479680
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Iso-Footcandle Lines of Horizontal Illumination

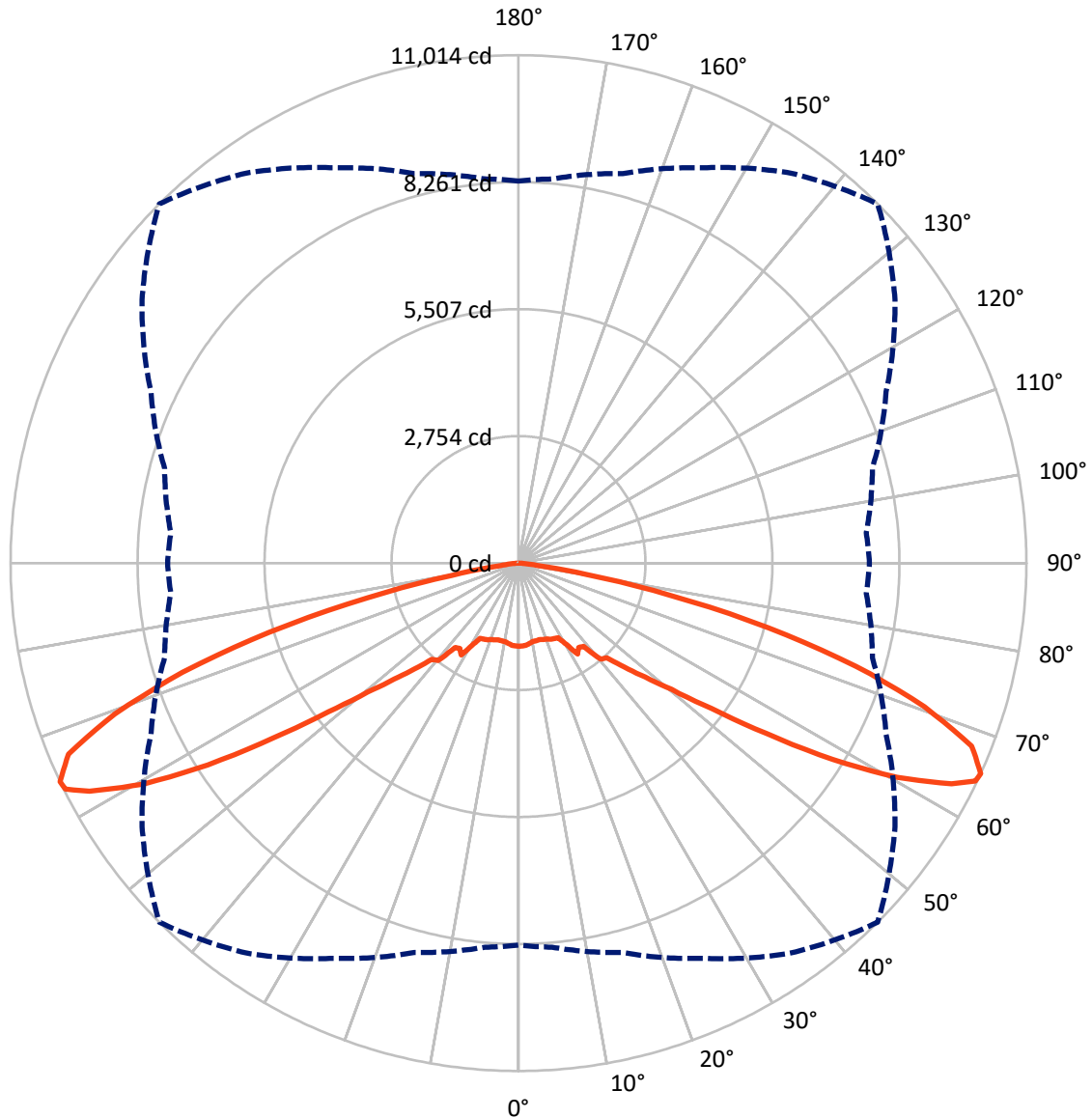
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P479680
CATALOG NUMBER: IFLD-S-SA3D-735-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P479680

CATALOG NUMBER: IFLD-S-SA3D-735-U-5WQ

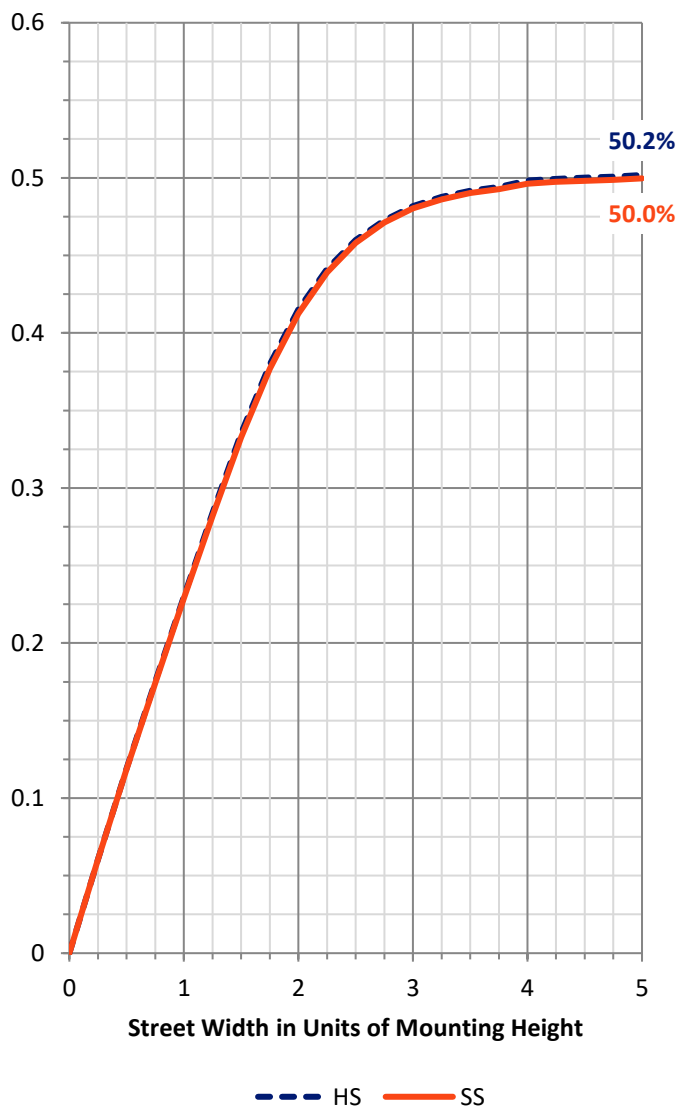
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11794.9	0.0	11794.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11794.9	0.0	11794.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	23589.8	0.0	23589.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	0.7
10°-20°	497.2	2.1
20°-30°	860.6	3.6
30°-40°	1431.0	6.1
40°-50°	2581.7	10.9
50°-60°	5751.1	24.4
60°-70°	8571.1	36.3
70°-80°	3552.0	15.1
80°-90°	175.9	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°-90°	23589.8	100.0
0°-180°	23589.8	100.0

Coefficient of Utilization



REPORT NUMBER: P479680

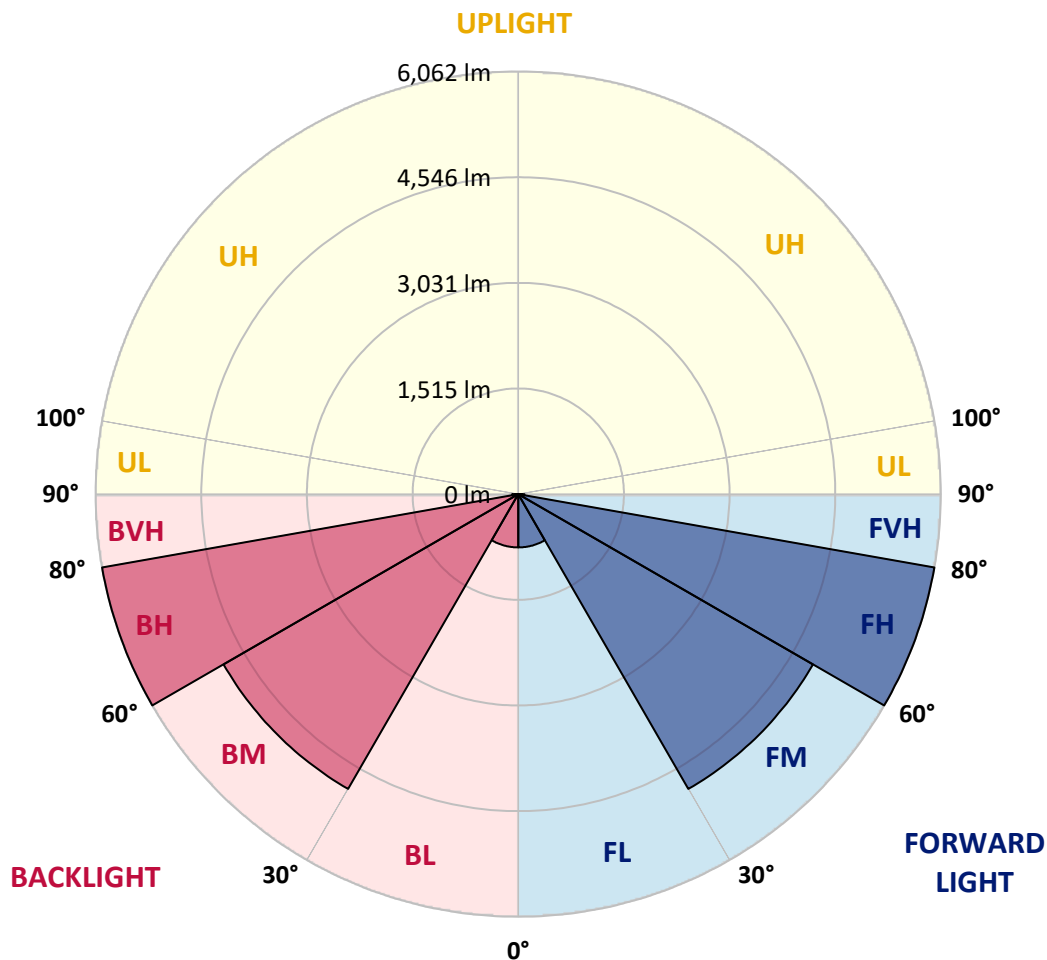
CATALOG NUMBER: IFLD-S-SA3D-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.5	3.2			
FM (30°-60°)	4881.9	20.7			
FH (60°-80°)	6061.5	25.7			G3/7500
FVH (80°-90°)	88.0	0.4			G1/100
BL (0°-30°)	763.5	3.2	B2/1000		
BM (30°-60°)	4881.9	20.7	B3/5000		
BH (60°-80°)	6061.5	25.7	B5		G3/7500
BVH (80°-90°)	88.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6
2.5°	1782.7	1787.9	1785.3	1785.3	1793.2	1798.4	1801.0	1827.0	1816.6	1824.4	1816.6
5°	1787.9	1787.9	1793.2	1787.9	1793.2	1787.9	1793.2	1785.3	1793.2	1798.4	1806.2
7.5°	1777.5	1772.3	1764.5	1764.5	1761.9	1756.7	1748.8	1769.7	1759.3	1767.1	1780.1
10°	1780.1	1772.3	1746.2	1751.5	1728.0	1728.0	1733.2	1733.2	1756.7	1782.7	1790.6
12.5°	1780.1	1764.5	1756.7	1722.8	1722.8	1725.4	1738.4	1743.6	1759.3	1769.7	1795.8
15°	1780.1	1772.3	1759.3	1715.0	1725.4	1720.2	1733.2	1733.2	1767.1	1785.3	1798.4
17.5°	1790.6	1795.8	1772.3	1730.6	1733.2	1743.6	1735.8	1743.6	1785.3	1798.4	1816.6
20°	1793.2	1772.3	1764.5	1738.4	1761.9	1756.7	1754.1	1769.7	1782.7	1806.2	1827.0
22.5°	1787.9	1795.8	1764.5	1761.9	1782.7	1793.2	1798.4	1780.1	1795.8	1811.4	1829.6
25°	1832.3	1803.6	1795.8	1790.6	1801.0	1811.4	1806.2	1821.8	1821.8	1840.1	1863.5
27.5°	1952.1	1954.7	1939.1	1876.6	1855.7	1832.3	1842.7	1884.4	1933.9	1973.0	1980.8
30°	2006.9	2017.3	2059.0	2048.6	2040.8	2048.6	2046.0	2056.4	2061.6	2064.2	2056.4
32.5°	2056.4	2051.2	2032.9	2079.9	2233.6	2350.9	2238.8	2085.1	2051.2	2040.8	2051.2
35°	2236.2	2236.2	2197.1	2137.2	2218.0	2246.7	2194.5	2121.6	2163.3	2249.3	2254.5
37.5°	2468.2	2434.3	2450.0	2442.1	2353.5	2291.0	2382.2	2429.1	2436.9	2434.3	2460.4
40°	2606.3	2582.9	2559.4	2601.1	2681.9	2739.3	2658.5	2546.4	2575.1	2632.4	2608.9
42.5°	2921.7	2861.8	2867.0	2825.3	2822.7	2804.4	2786.2	2794.0	2835.7	2900.8	2911.3
45°	3244.9	3273.6	3255.3	3177.1	3213.6	3213.6	3161.5	3200.6	3221.4	3297.0	3307.4
47.5°	3750.5	3737.5	3745.3	3674.9	3672.3	3690.6	3672.3	3674.9	3740.1	3734.9	3706.2
50°	4342.2	4378.6	4389.1	4355.2	4313.5	4305.7	4277.0	4313.5	4352.6	4355.2	4331.7
52.5°	5160.5	5199.6	5199.6	5210.1	5262.2	5236.1	5230.9	5233.5	5157.9	5105.8	5131.9
55°	6192.6	6205.7	6250.0	6341.2	6500.2	6521.0	6422.0	6377.7	6239.6	6156.2	6221.3
57.5°	7211.7	7263.9	7386.3	7623.5	7819.0	8032.7	7746.0	7454.1	7183.1	7050.1	7073.6
60°	8058.8	8134.4	8368.9	8699.9	9242.1	9437.5	8952.8	8452.3	7902.4	7495.8	7660.0
62.5°	8457.6	8574.8	8772.9	9442.7	10255.9	10537.4	9825.9	8916.3	8082.2	7691.3	7683.5
64°	8460.2	8478.4	8874.6	9596.5	10433.2	10977.9	10037.0	8916.3	8126.5	7644.4	7733.0
65°	8285.5	8361.1	8744.2	9455.8	10321.1	11014.4	9964.0	8793.8	7944.1	7568.8	7610.5
67.5°	7493.2	7490.6	7845.1	8551.4	9752.9	10600.0	9343.7	8108.3	7493.2	7086.6	7136.1
70°	5684.4	5775.6	6114.5	6982.4	8439.3	9346.3	8170.9	6891.1	6124.9	5799.1	5780.8
72.5°	3401.3	3521.2	3953.8	5012.0	6554.9	7657.4	6484.6	5098.0	4175.3	3659.3	3672.3
75°	1550.8	1639.4	1936.5	2799.2	4368.2	5598.4	4394.3	2947.8	2113.7	1785.3	1738.4
77.5°	435.3	490.0	654.2	1284.9	2397.8	3357.0	2465.6	1420.5	922.6	766.3	750.6
80°	195.5	205.9	232.0	312.8	761.0	1480.4	1019.1	521.3	346.6	286.7	273.7
82.5°	106.9	114.7	151.2	161.6	216.3	393.6	336.2	245.0	208.5	166.8	161.6
85°	59.9	62.6	86.0	86.0	104.3	114.7	122.5	130.3	127.7	93.8	91.2
87.5°	18.2	20.9	26.1	26.1	26.1	26.1	41.7	57.3	62.6	44.3	44.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)