

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: P484237

Luminaire Tested: **IFLD-S-SA2C-722-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484237
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-722-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

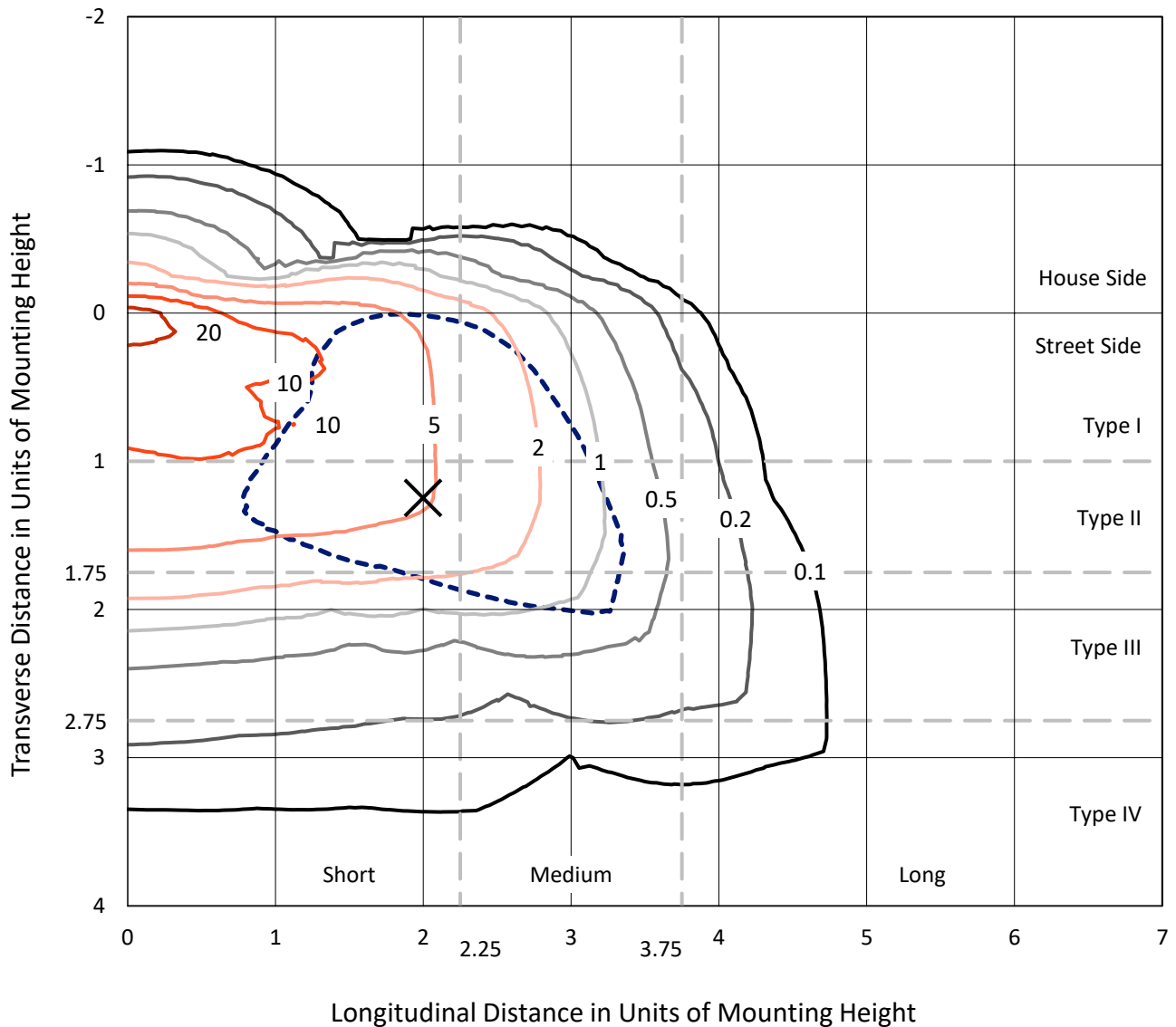
Lumens per Lamp: N/A
Luminaire Lumens: 8755.7 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2
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

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Iso-Footcandle Lines of Horizontal Illumination

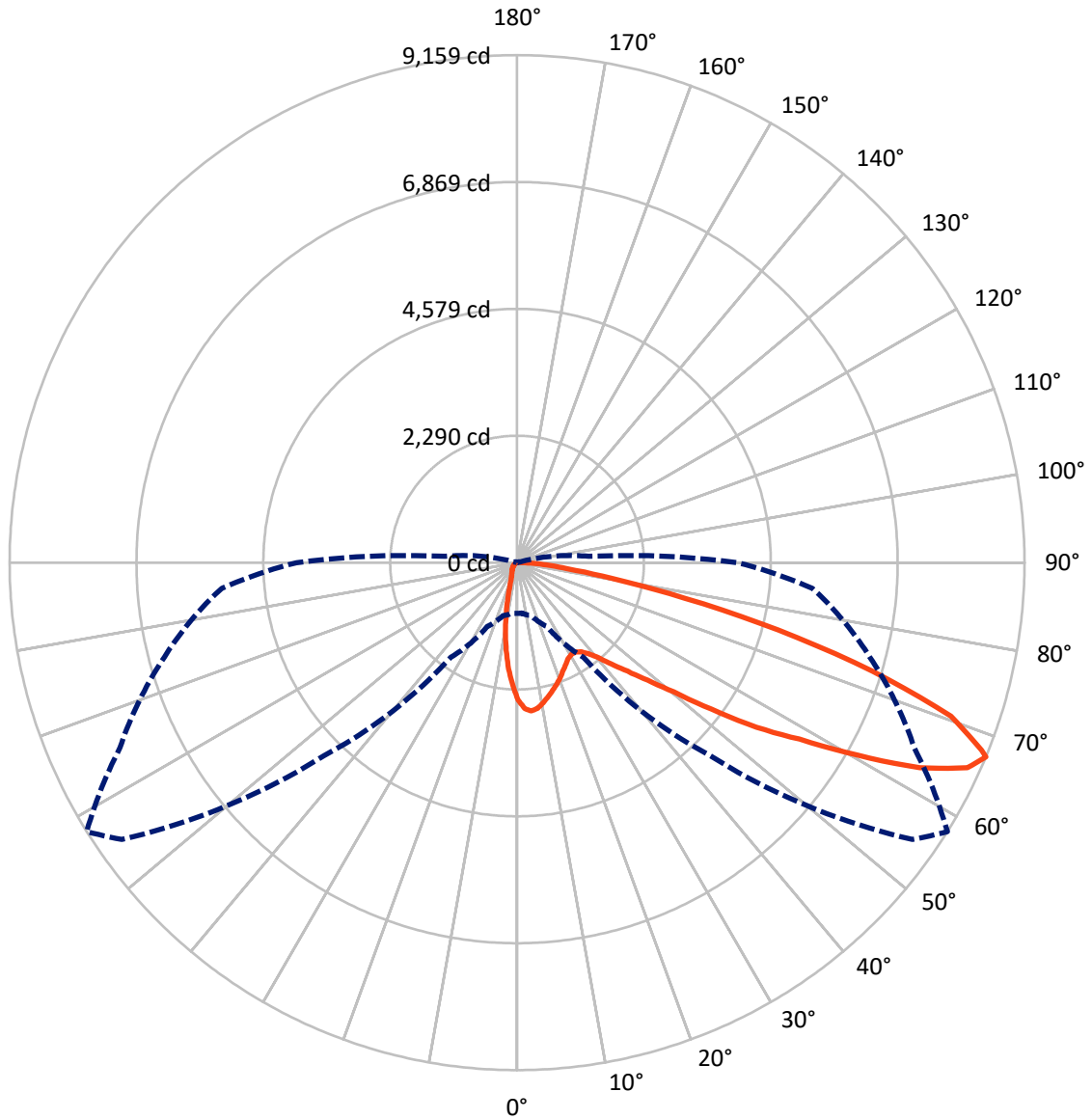
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	723.7	0.0	723.7
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	8032.0	0.0	8032.0
	% Fixture	91.7	0.0	91.7
Total	Lumens	8755.7	0.0	8755.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.8	2.2
10°-20°	408.3	4.7
20°-30°	541.7	6.2
30°-40°	750.6	8.6
40°-50°	1224.7	14.0
50°-60°	2152.6	24.6
60°-70°	2384.2	27.2
70°-80°	988.0	11.3
80°-90°	108.8	1.2
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°	8755.7	100.0
0°-180°	8755.7	100.0

Coefficient of Utilization



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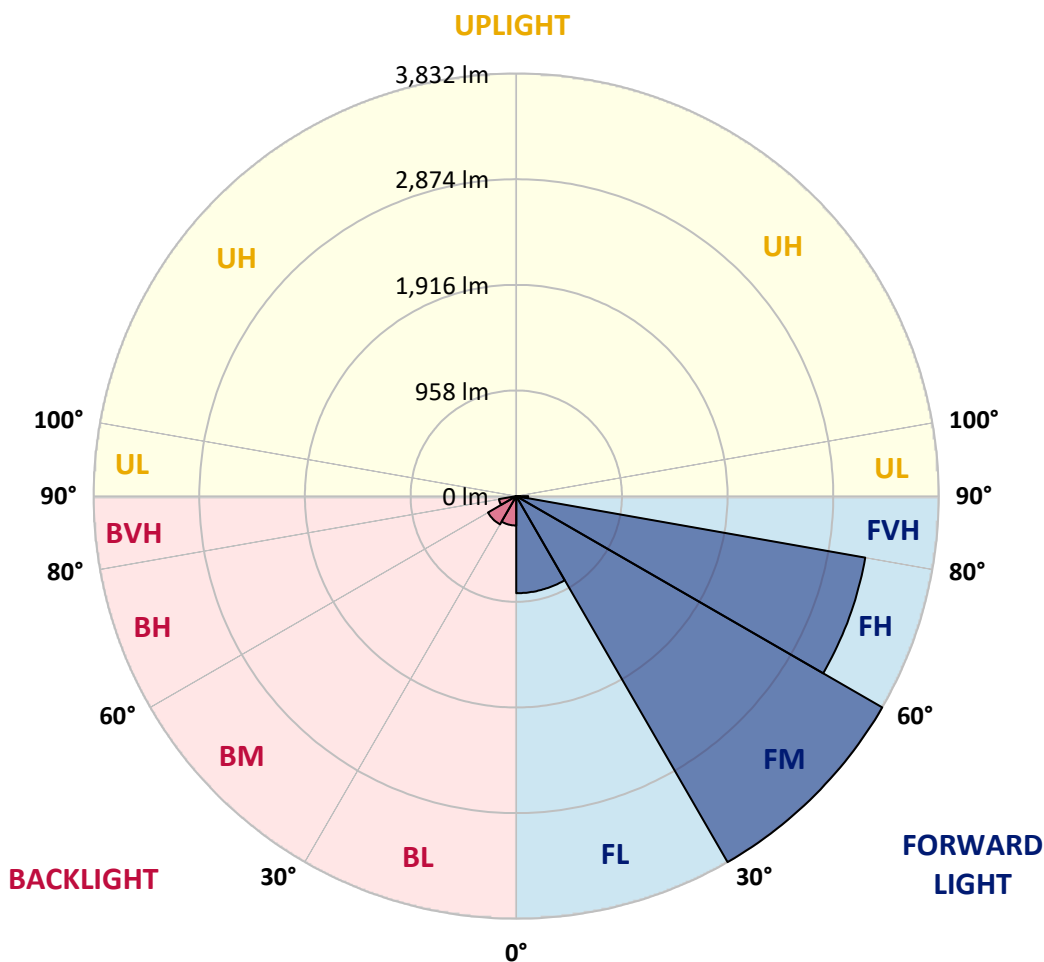
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	880.2	10.1			
FM (30°-60°)	3831.7	43.8			
FH (60°-80°)	3213.1	36.7			G2/5000
FVH (80°-90°)	107.0	1.2			G2/225
BL (0°-30°)	266.5	3.0	B1/500		
BM (30°-60°)	296.3	3.4	B1/1000		
BH (60°-80°)	159.1	1.8	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6
2.5°	2699.1	2708.4	2716.6	2701.5	2714.2	2695.6	2648.0	2637.5	2629.4	2558.5	2517.8
5°	2698.0	2687.5	2695.6	2702.6	2685.2	2699.1	2687.5	2688.7	2657.3	2593.4	2479.4
7.5°	2517.8	2513.1	2517.8	2551.5	2589.9	2620.1	2637.5	2655.0	2634.0	2538.7	2428.3
10°	2274.9	2298.1	2310.9	2371.3	2430.6	2486.4	2541.0	2573.6	2567.8	2529.4	2372.5
12.5°	2105.1	2098.2	2144.7	2184.2	2243.5	2356.2	2451.5	2481.8	2516.6	2463.2	2299.3
15°	1948.2	1929.6	1957.5	2026.1	2127.2	2216.7	2350.4	2395.7	2439.9	2453.9	2259.7
17.5°	1798.3	1807.6	1836.6	1898.2	1993.5	2119.1	2244.6	2309.7	2415.5	2396.9	2200.5
20°	1726.2	1746.0	1756.4	1787.8	1854.1	1979.6	2166.7	2219.1	2331.8	2395.7	2142.3
22.5°	1729.7	1729.7	1705.3	1723.9	1784.3	1882.0	2061.0	2119.1	2298.1	2335.3	2090.0
25°	1766.9	1743.6	1744.8	1722.7	1748.3	1801.7	1965.6	2036.6	2229.5	2341.1	2062.1
27.5°	1794.8	1790.1	1783.1	1777.3	1744.8	1752.9	1902.9	1961.0	2202.8	2334.1	2019.1
30°	1895.9	1875.0	1868.0	1855.2	1812.2	1772.7	1852.9	1926.1	2181.9	2350.4	1994.7
32.5°	1980.8	1984.2	1990.1	1952.9	1915.7	1818.0	1866.8	1925.0	2166.7	2387.6	2019.1
35°	2087.7	2102.8	2105.1	2093.5	2054.0	1957.5	1925.0	1974.9	2192.3	2453.9	2021.4
37.5°	2250.4	2234.2	2278.3	2283.0	2255.1	2127.2	2059.8	2079.6	2267.9	2559.6	2109.8
40°	2356.2	2376.0	2458.5	2509.7	2462.0	2345.8	2255.1	2251.6	2377.1	2725.9	2219.1
42.5°	2473.6	2517.8	2608.5	2718.9	2713.1	2605.0	2513.1	2498.0	2571.3	2966.5	2392.3
45°	2634.0	2673.6	2800.3	2966.5	3057.2	2965.3	2827.0	2796.8	2807.2	3294.3	2687.5
47.5°	2900.2	2889.8	3072.3	3236.2	3385.0	3314.1	3254.8	3166.4	3158.3	3680.2	3095.5
50°	3201.3	3199.0	3361.7	3547.7	3719.7	3858.1	3759.3	3662.8	3665.1	4204.5	3575.6
52.5°	3487.3	3532.6	3708.1	3892.9	4188.2	4337.0	4432.3	4393.9	4209.1	4672.9	4089.4
55°	3638.4	3677.9	3852.3	4170.8	4636.9	5019.3	5277.4	5244.8	4888.0	5200.7	4596.2
57.5°	3495.4	3522.1	3758.1	4175.4	4950.7	5804.0	6051.5	6010.9	5590.1	5604.0	5208.8
60°	2896.7	2938.6	3289.6	3779.0	4828.7	6408.4	7117.5	7055.9	6229.4	6114.3	5602.9
62.5°	2006.3	2034.2	2322.5	2931.6	4249.8	6618.8	8124.1	8157.9	6903.6	6511.9	5720.3
65°	1299.6	1297.3	1462.3	1875.0	3011.8	5981.8	8719.3	8928.5	7554.6	6572.3	5684.2
67°	918.3	914.8	992.7	1271.7	2085.4	4928.7	8708.8	9158.7	7907.9	6589.7	5350.6
67.5°	847.4	843.9	918.3	1169.4	1882.0	4583.4	8578.6	9040.1	8032.3	6565.3	5204.1
70°	657.9	648.6	676.5	805.6	1096.2	2964.2	7341.8	8304.3	7774.3	5956.2	4155.6
72.5°	475.4	485.9	530.1	661.4	860.2	1594.8	5595.9	6715.3	6493.3	4489.3	2641.0
75°	331.3	340.6	411.5	539.4	789.3	967.1	3783.7	4870.5	4523.0	2478.3	1125.2
77.5°	173.2	184.8	262.7	431.3	717.2	748.6	2260.9	3088.5	2396.9	882.3	310.4
80°	80.2	86.0	131.4	305.7	599.8	657.9	1318.2	1718.1	959.0	197.6	106.9
82.5°	34.9	38.4	60.4	175.5	425.4	575.4	816.0	900.9	347.6	63.9	66.3
85°	7.0	8.1	23.2	93.0	205.7	348.7	573.1	534.7	174.4	31.4	52.3
87.5°	0.0	0.0	5.8	26.7	55.8	103.5	242.9	242.9	53.5	16.3	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6
2.5°	2481.8	2439.9	2348.1	2263.2	2202.8	2134.2	2043.5	2002.8	1987.7	1966.8	1935.4
5°	2416.7	2365.5	2208.6	2050.5	1877.3	1746.0	1606.5	1525.1	1463.5	1425.1	1412.3
7.5°	2324.8	2220.2	2008.7	1755.3	1530.9	1335.6	1124.1	981.1	889.2	852.1	817.2
10°	2251.6	2115.6	1793.6	1478.6	1179.9	893.9	655.6	530.1	434.7	398.7	394.1
12.5°	2156.3	1993.5	1592.5	1196.1	820.7	532.4	362.7	315.0	288.3	283.6	280.1
15°	2077.2	1883.1	1401.9	926.4	531.2	332.5	282.5	270.8	263.9	261.5	262.7
17.5°	2023.8	1764.6	1206.6	674.2	349.9	272.0	260.4	253.4	249.9	248.8	245.3
20°	1918.0	1664.6	1013.6	471.9	273.2	251.1	241.8	236.0	232.5	231.3	230.2
22.5°	1857.5	1537.9	820.7	329.0	242.9	227.8	220.9	216.2	210.4	206.9	205.7
25°	1797.1	1444.9	648.6	255.7	220.9	210.4	199.9	194.1	184.8	180.2	179.0
27.5°	1726.2	1353.1	499.8	222.0	198.8	188.3	177.8	168.6	156.9	152.3	150.0
30°	1685.5	1263.5	376.6	198.8	182.5	168.6	155.8	144.1	131.4	123.2	120.9
32.5°	1664.6	1182.2	282.5	181.3	165.1	150.0	133.7	119.7	108.1	101.1	100.0
35°	1639.0	1103.1	222.0	165.1	148.8	132.5	116.2	102.3	90.7	84.9	82.5
37.5°	1665.7	1056.6	184.8	152.3	136.0	117.4	100.0	86.0	76.7	70.9	69.7
40°	1739.0	1018.3	160.4	140.7	123.2	103.5	87.2	73.2	65.1	60.4	58.1
42.5°	1851.7	1018.3	145.3	129.0	111.6	90.7	74.4	63.9	55.8	51.1	50.0
45°	2056.3	1049.7	132.5	117.4	97.6	77.9	63.9	53.5	45.3	40.7	39.5
47.5°	2343.4	1121.7	122.1	106.9	87.2	68.6	55.8	45.3	37.2	32.5	31.4
50°	2729.4	1285.6	111.6	94.2	77.9	59.3	46.5	36.0	29.1	24.4	23.2
52.5°	3210.6	1518.1	101.1	87.2	66.3	50.0	37.2	29.1	22.1	18.6	17.4
55°	3719.7	1802.9	88.3	77.9	57.0	41.8	30.2	22.1	16.3	13.9	12.8
57.5°	4232.4	2022.6	77.9	67.4	46.5	33.7	24.4	17.4	11.6	9.3	8.1
60°	4504.4	2043.5	67.4	55.8	37.2	26.7	18.6	12.8	8.1	5.8	4.6
62.5°	4546.2	1857.5	58.1	45.3	30.2	20.9	12.8	9.3	4.6	2.3	2.3
65°	4331.2	1548.3	50.0	36.0	23.2	15.1	9.3	5.8	2.3	1.2	0.0
67°	3982.4	1297.3	43.0	30.2	18.6	11.6	7.0	3.5	1.2	0.0	0.0
67.5°	3847.6	1227.5	40.7	27.9	17.4	10.5	5.8	3.5	1.2	0.0	0.0
70°	2986.3	876.5	30.2	19.8	12.8	8.1	4.6	2.3	0.0	0.0	0.0
72.5°	1829.6	512.6	23.2	13.9	9.3	5.8	3.5	1.2	0.0	0.0	0.0
75°	767.2	176.7	19.8	10.5	7.0	3.5	2.3	1.2	0.0	0.0	0.0
77.5°	199.9	66.3	13.9	7.0	4.6	3.5	2.3	1.2	0.0	0.0	0.0
80°	81.4	30.2	9.3	4.6	4.6	3.5	2.3	1.2	0.0	0.0	0.0
82.5°	53.5	13.9	5.8	4.6	3.5	2.3	1.2	0.0	0.0	0.0	0.0
85°	40.7	8.1	3.5	3.5	2.3	1.2	0.0	0.0	0.0	0.0	0.0
87.5°	17.4	4.6	3.5	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
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)