

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: P565340

Luminaire Tested: **IFLD-L-SA8A-AMB-U-SL3**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565340
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-SL3
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL3 distribution lens
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

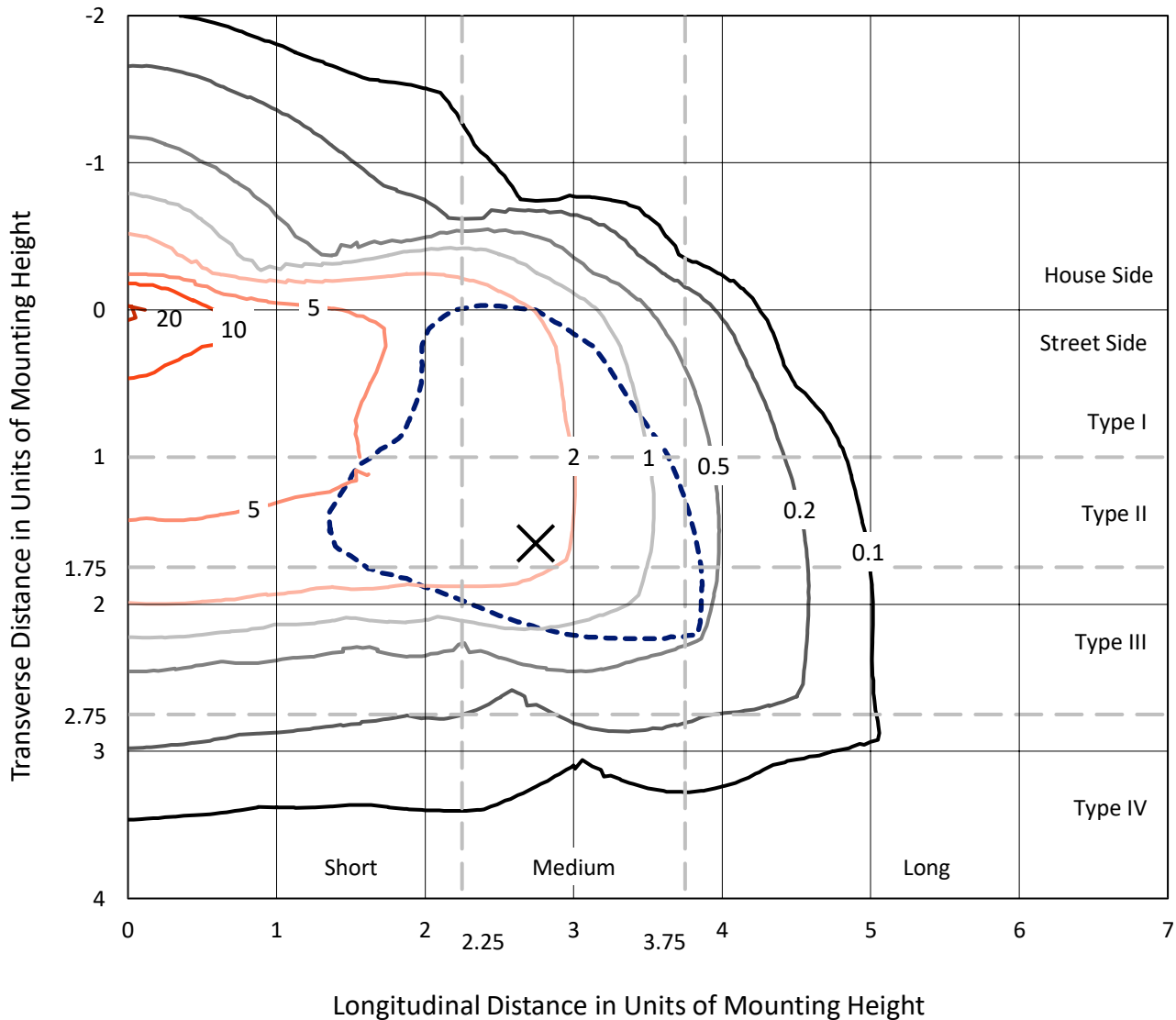
Lumens per Lamp: N/A
Luminaire Lumens: 8033.7 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 160
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

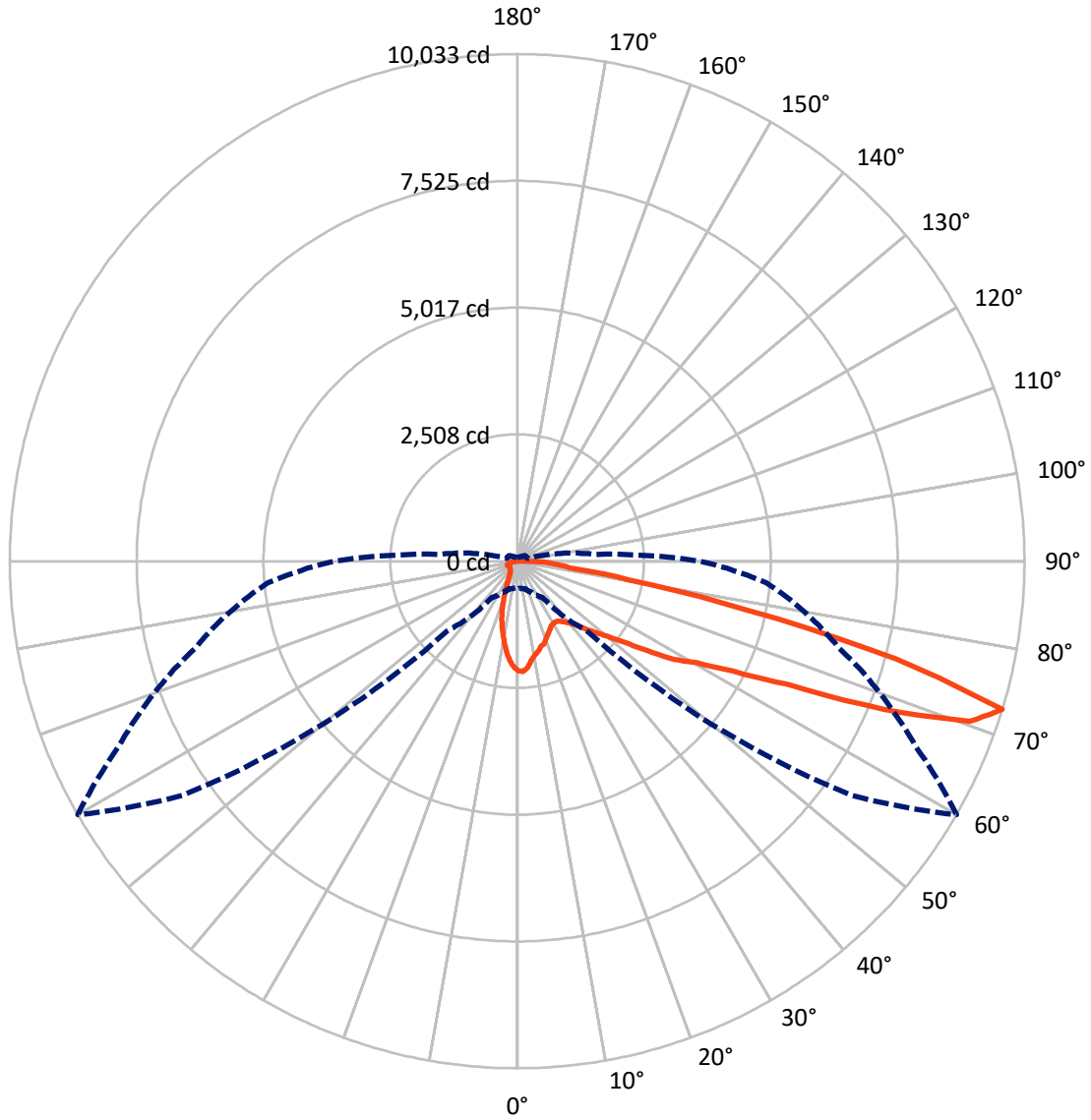
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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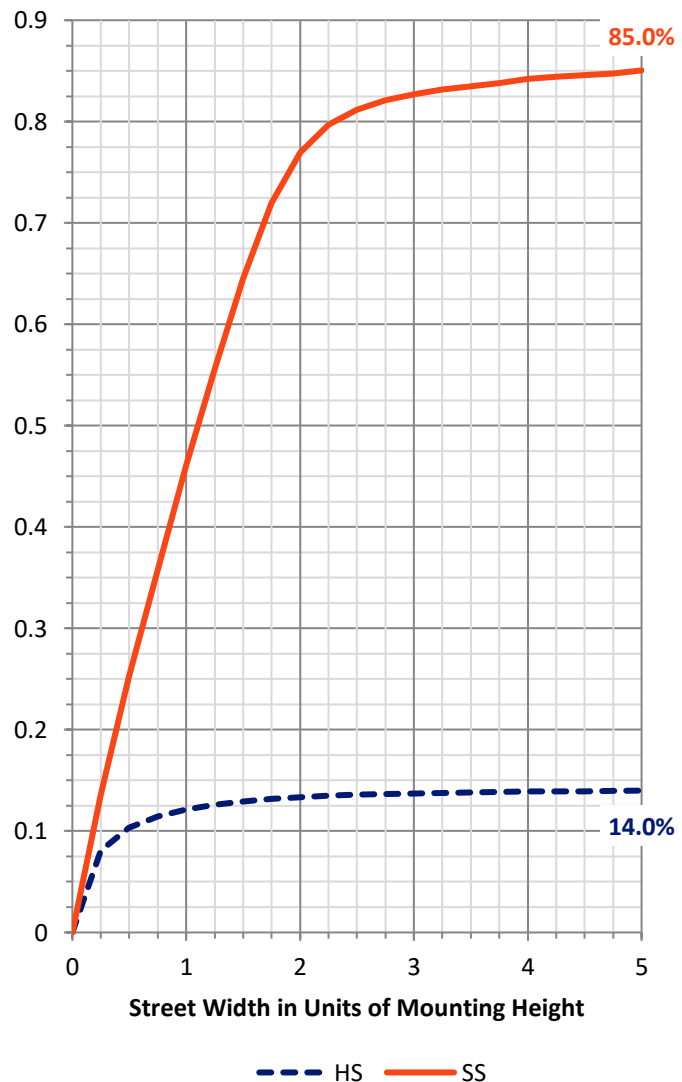
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1135.1	0.0	1135.1
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	6898.6	0.0	6898.6
	% Fixture	85.9	0.0	85.9
Total	Lumens	8033.7	0.0	8033.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	2.2
10°-20°	371.9	4.6
20°-30°	467.3	5.8
30°-40°	610.7	7.6
40°-50°	913.2	11.4
50°-60°	1516.4	18.9
60°-70°	2299.5	28.6
70°-80°	1480.3	18.4
80°-90°	196.3	2.4
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°	8033.7	100.0
0°-180°	8033.7	100.0

Coefficient of Utilization

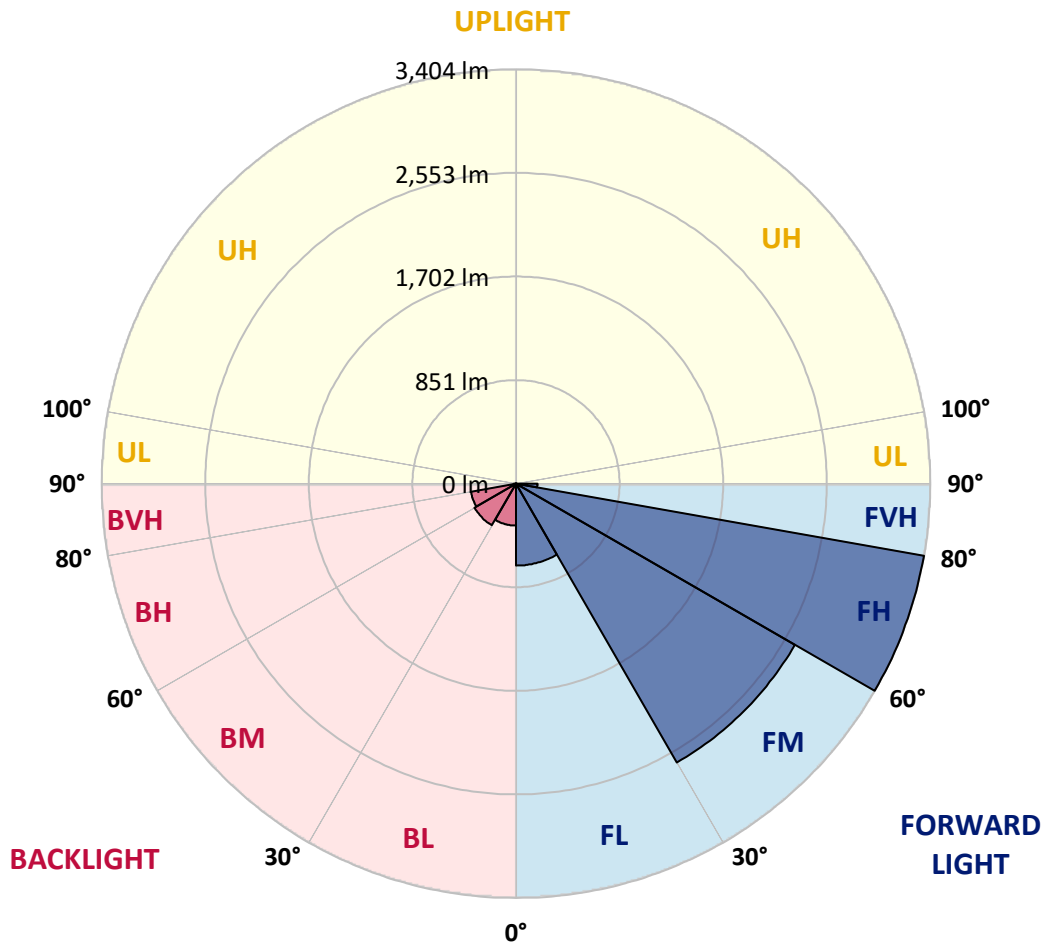


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.0	8.4			
FM (30°-60°)	2645.7	32.9			
FH (60°-80°)	3404.0	42.4			G2/5000
FVH (80°-90°)	175.9	2.2			G2/225
BL (0°-30°)	344.2	4.3	B1/500		
BM (30°-60°)	394.7	4.9	B1/1000		
BH (60°-80°)	375.8	4.7	B1/500		G1/500
BVH (80°-90°)	20.4	0.3			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7
2.5°	2112.7	2133.1	2137.2	2157.6	2149.4	2153.5	2182.1	2186.1	2161.7	2182.1	2161.7
5°	2014.8	2027.1	2010.8	2031.1	2059.7	2055.6	2108.6	2116.8	2104.6	2137.2	2133.1
7.5°	1888.4	1872.1	1888.4	1904.7	1929.2	1974.0	1982.2	1990.4	2031.1	2071.9	2055.6
10°	1664.1	1700.8	1704.9	1762.0	1802.7	1847.6	1880.2	1892.5	1933.3	2014.8	2018.9
12.5°	1586.6	1562.1	1598.8	1619.2	1668.2	1741.6	1786.4	1835.4	1863.9	1937.3	1941.4
15°	1460.1	1464.2	1472.4	1525.4	1566.2	1647.8	1733.4	1753.8	1827.2	1908.8	1933.3
17.5°	1366.3	1370.4	1399.0	1407.1	1480.5	1554.0	1664.1	1721.2	1766.0	1876.2	1884.3
20°	1317.4	1333.7	1341.9	1337.8	1370.4	1464.2	1586.6	1635.5	1692.6	1843.5	1868.0
22.5°	1317.4	1317.4	1333.7	1317.4	1333.7	1378.6	1500.9	1562.1	1660.0	1827.2	1810.9
25°	1325.5	1333.7	1313.3	1313.3	1317.4	1345.9	1419.4	1505.0	1619.2	1835.4	1786.4
27.5°	1370.4	1358.2	1350.0	1329.6	1305.2	1313.3	1370.4	1439.7	1549.9	1847.6	1741.6
30°	1415.3	1403.0	1378.6	1366.3	1321.5	1317.4	1354.1	1427.5	1525.4	1859.8	1729.3
32.5°	1452.0	1468.3	1460.1	1447.9	1390.8	1325.5	1362.3	1423.4	1533.6	1904.7	1713.0
35°	1525.4	1521.3	1554.0	1521.3	1484.6	1394.9	1411.2	1460.1	1541.7	1949.6	1757.9
37.5°	1651.8	1631.4	1643.7	1627.4	1574.3	1488.7	1496.9	1525.4	1602.9	2031.1	1794.6
40°	1745.6	1737.5	1733.4	1774.2	1704.9	1602.9	1590.7	1615.1	1668.2	2112.7	1851.7
42.5°	1815.0	1827.2	1843.5	1863.9	1843.5	1753.8	1721.2	1737.5	1794.6	2235.1	1974.0
45°	1929.2	1904.7	1965.9	2047.5	2027.1	1941.4	1888.4	1916.9	1970.0	2381.9	2145.3
47.5°	2006.7	2006.7	2096.4	2161.7	2214.7	2161.7	2088.2	2116.8	2120.9	2557.3	2373.8
50°	2092.3	2096.4	2239.2	2337.0	2430.9	2443.1	2337.0	2353.4	2381.9	2789.8	2675.6
52.5°	2324.8	2337.0	2418.6	2549.1	2655.2	2753.1	2724.5	2655.2	2630.7	3030.4	2944.8
55°	2687.8	2647.0	2724.5	2793.8	2912.1	3067.1	3275.1	3128.3	3018.2	3287.4	3230.3
57.5°	2899.9	2944.8	3063.0	3152.8	3303.7	3442.3	3723.8	3666.7	3507.6	3597.3	3634.0
60°	2957.0	3010.0	3213.9	3413.8	3785.0	4017.4	4225.4	4082.7	3846.1	3927.7	4082.7
62.5°	2496.1	2577.7	2891.7	3368.9	4107.2	4886.2	5094.2	4788.3	4417.1	4437.5	4670.0
65°	1660.0	1737.5	1978.1	2573.6	3801.3	5665.2	6427.9	5869.1	5330.7	5261.4	5461.3
67.5°	938.1	934.0	999.3	1439.7	2618.5	5567.3	8234.7	7818.7	6680.8	6089.4	6040.4
70°	709.7	709.7	709.7	848.4	1227.7	4017.4	9181.0	9495.0	8043.0	6811.3	6191.3
72.5°	554.7	538.4	558.8	685.2	881.0	1941.4	8075.7	10033.4	8703.8	6574.7	4951.4
75°	399.7	399.7	428.3	558.8	815.7	954.4	5498.0	7741.2	7153.9	4971.8	2887.7
77.5°	289.6	285.5	326.3	448.6	750.5	852.4	2757.1	4649.6	4029.7	2373.8	754.5
80°	183.5	187.6	220.2	330.4	673.0	819.8	1244.0	2226.9	1500.9	575.1	273.3
82.5°	110.1	114.2	146.8	212.1	509.8	762.7	991.1	1031.9	603.6	277.3	159.1
85°	61.2	61.2	89.7	130.5	301.8	754.5	893.2	799.4	428.3	171.3	81.6
87.5°	20.4	20.4	36.7	53.0	130.5	407.9	575.1	526.1	257.0	81.6	28.6
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°	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7
2.5°	2149.4	2157.6	2120.9	2088.2	2084.2	2035.2	2039.3	2023.0	1994.4	1978.1	1945.5
5°	2112.7	2088.2	2035.2	1978.1	1925.1	1868.0	1819.1	1786.4	1762.0	1741.6	1745.6
7.5°	2018.9	1994.4	1921.0	1827.2	1745.6	1660.0	1578.4	1488.7	1443.8	1415.3	1390.8
10°	1957.7	1904.7	1810.9	1643.7	1521.3	1386.7	1260.3	1146.1	1019.7	966.6	958.5
12.5°	1921.0	1847.6	1688.5	1476.5	1301.1	1117.5	921.8	758.6	648.5	587.3	575.1
15°	1868.0	1794.6	1541.7	1337.8	1089.0	848.4	628.1	501.7	444.6	428.3	432.3
17.5°	1802.7	1704.9	1435.7	1166.5	844.3	587.3	456.8	416.0	383.4	371.2	371.2
20°	1762.0	1598.8	1280.7	954.4	615.9	440.5	379.3	354.8	342.6	338.5	342.6
22.5°	1704.9	1513.2	1146.1	738.2	440.5	363.0	330.4	318.1	318.1	318.1	318.1
25°	1635.5	1439.7	982.9	530.2	350.8	305.9	297.7	293.7	293.7	301.8	301.8
27.5°	1594.7	1345.9	811.6	391.5	297.7	269.2	265.1	269.2	281.4	285.5	285.5
30°	1525.4	1260.3	648.5	326.3	261.0	248.8	248.8	248.8	257.0	261.0	261.0
32.5°	1484.6	1207.3	493.5	277.3	236.6	232.5	232.5	232.5	236.6	240.6	240.6
35°	1484.6	1154.2	383.4	252.9	224.3	216.2	216.2	216.2	220.2	220.2	220.2
37.5°	1513.2	1113.5	318.1	232.5	212.1	208.0	208.0	208.0	203.9	203.9	208.0
40°	1537.6	1076.8	289.6	220.2	208.0	199.9	199.9	195.8	195.8	195.8	199.9
42.5°	1607.0	1076.8	265.1	212.1	203.9	191.7	191.7	187.6	187.6	191.7	191.7
45°	1745.6	1072.7	248.8	208.0	195.8	187.6	179.5	179.5	183.5	187.6	187.6
47.5°	1933.3	1080.8	240.6	203.9	187.6	179.5	171.3	171.3	175.4	187.6	187.6
50°	2120.9	1133.9	236.6	195.8	183.5	171.3	167.2	167.2	175.4	183.5	183.5
52.5°	2390.1	1239.9	240.6	195.8	183.5	167.2	163.1	163.1	167.2	175.4	175.4
55°	2647.0	1399.0	248.8	195.8	179.5	167.2	159.1	155.0	159.1	163.1	167.2
57.5°	3014.1	1635.5	252.9	191.7	175.4	167.2	155.0	146.8	150.9	155.0	155.0
60°	3475.0	1990.4	273.3	195.8	175.4	159.1	146.8	134.6	138.7	138.7	134.6
62.5°	4111.2	2573.6	305.9	203.9	175.4	150.9	134.6	126.4	122.4	122.4	122.4
65°	4796.4	2997.8	318.1	216.2	187.6	146.8	122.4	110.1	110.1	110.1	110.1
67.5°	5261.4	3181.3	289.6	220.2	208.0	142.8	114.2	102.0	97.9	93.8	93.8
70°	4894.3	2630.7	252.9	208.0	212.1	138.7	106.0	93.8	85.7	85.7	81.6
72.5°	3625.9	1541.7	220.2	195.8	191.7	130.5	102.0	89.7	81.6	73.4	73.4
75°	1762.0	571.0	195.8	175.4	159.1	110.1	93.8	81.6	73.4	65.3	65.3
77.5°	448.6	248.8	150.9	146.8	122.4	89.7	81.6	73.4	65.3	57.1	53.0
80°	228.4	175.4	114.2	110.1	85.7	73.4	65.3	57.1	48.9	44.9	44.9
82.5°	142.8	114.2	89.7	77.5	57.1	53.0	48.9	40.8	36.7	28.6	28.6
85°	73.4	65.3	57.1	44.9	32.6	28.6	24.5	20.4	20.4	12.2	12.2
87.5°	32.6	28.6	24.5	16.3	8.2	8.2	4.1	4.1	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)