

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: P233693

Luminaire Tested: **VERD-C026-D-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-32)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C026-D-U-T2-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 790mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7322 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 62
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: 28.75 FT

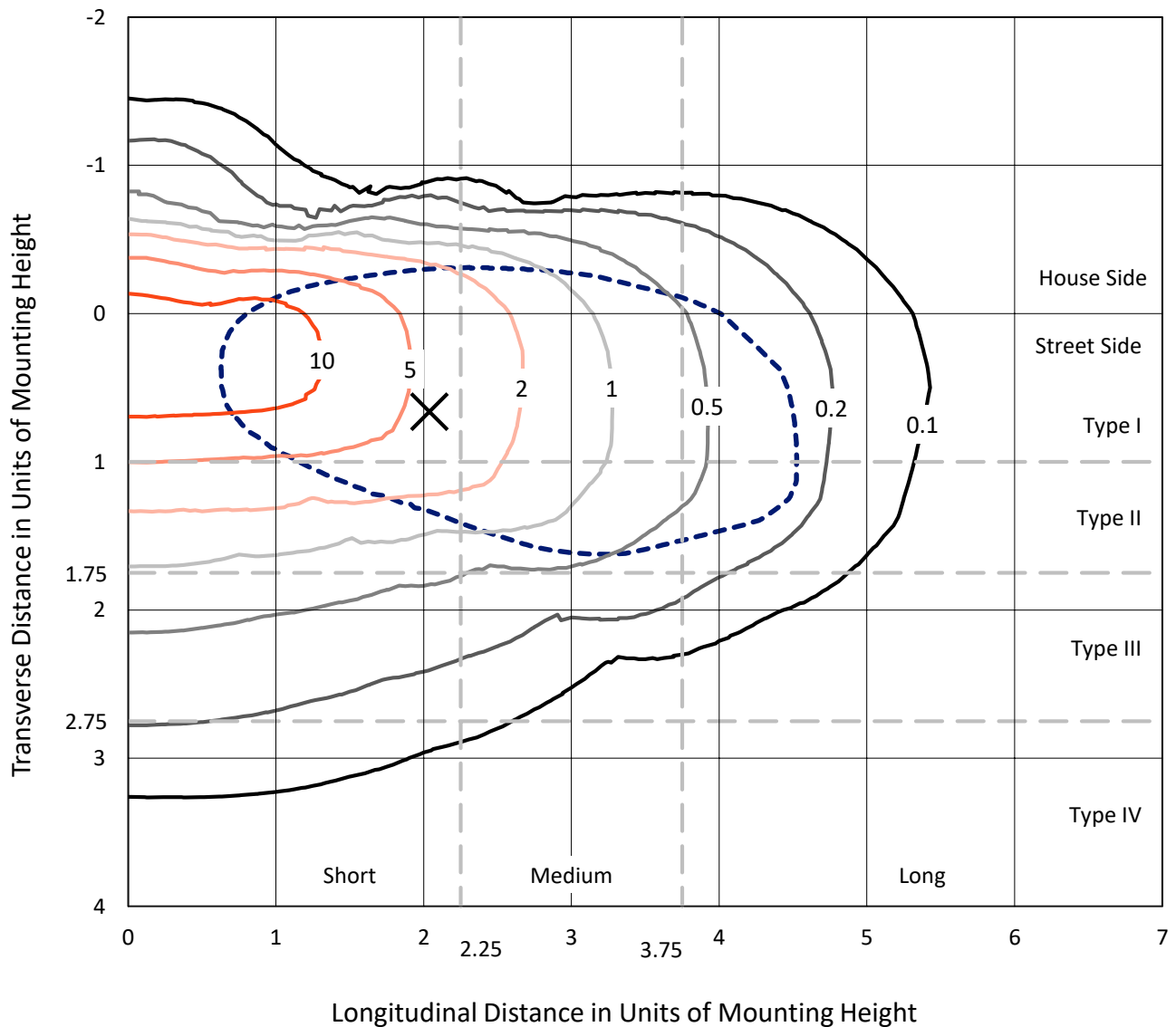


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

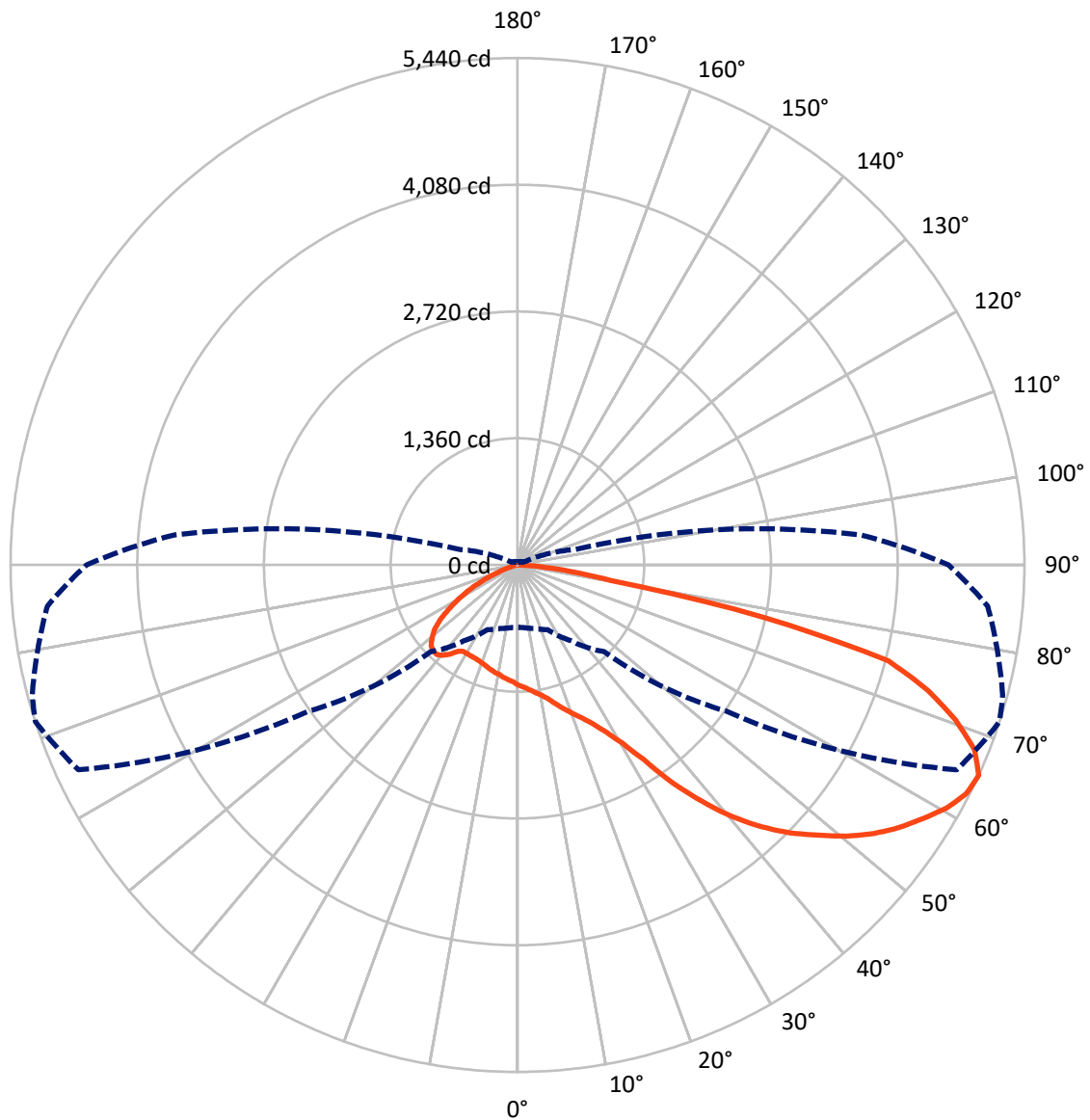


Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1521.5	0.0	1521.5
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	5800.5	0.0	5800.5
	% Fixture	79.2	0.0	79.2
Total	Lumens	7322.0	0.0	7322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	1.7
10°-20°	375.4	5.1
20°-30°	627.4	8.6
30°-40°	928.0	12.7
40°-50°	1282.9	17.5
50°-60°	1501.3	20.5
60°-70°	1492.2	20.4
70°-80°	893.7	12.2
80°-90°	97.3	1.3
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°	7322.0	100.0
0°-180°	7322.0	100.0

Coefficient of Utilization



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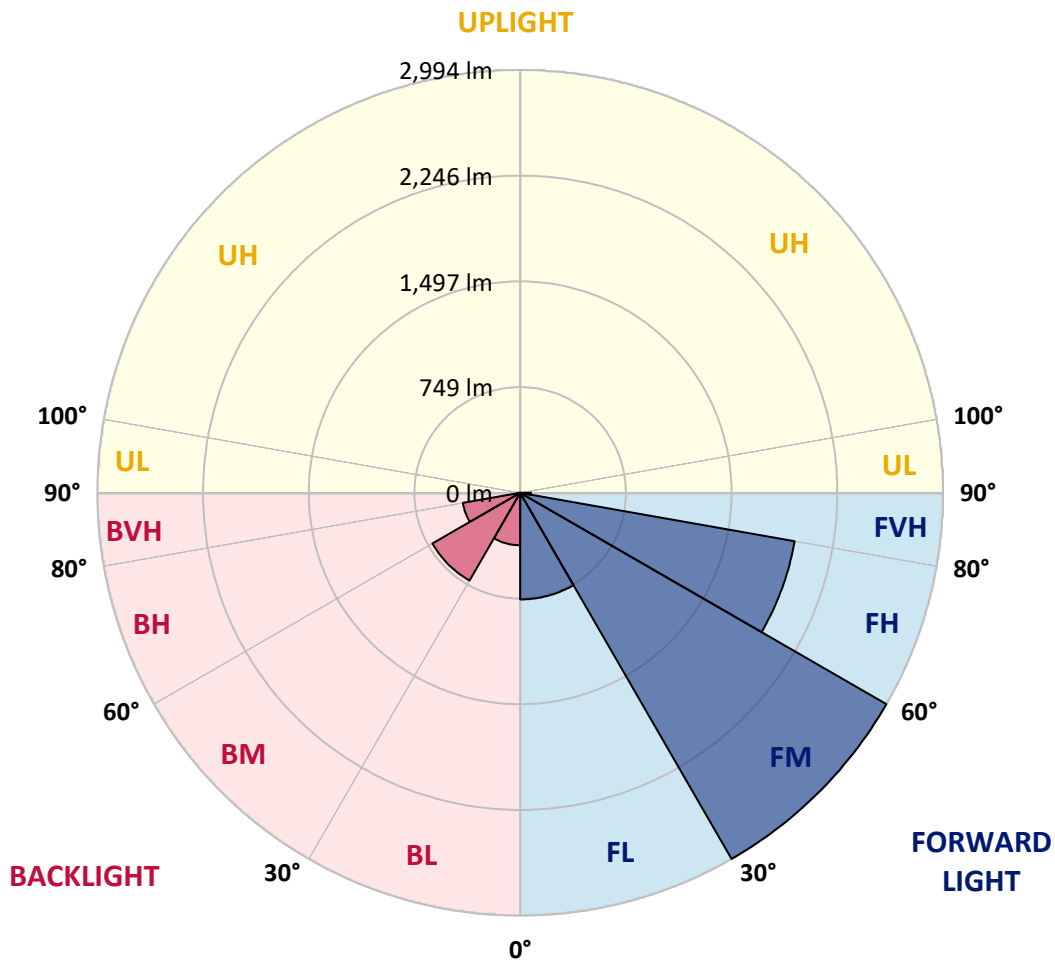
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.0	10.3			
FM (30°-60°)	2994.5	40.9			
FH (60°-80°)	1974.0	27.0			G2/5000
FVH (80°-90°)	76.9	1.1			G1/100
BL (0°-30°)	371.4	5.1	B1/500		
BM (30°-60°)	717.8	9.8	B1/1000		
BH (60°-80°)	412.0	5.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4
2.5°	1399.2	1400.4	1401.0	1378.9	1366.9	1353.2	1340.0	1325.7	1310.7	1305.4	1285.7
5°	1485.2	1486.4	1482.8	1462.5	1440.4	1420.1	1395.0	1369.3	1344.2	1337.0	1303.6
7.5°	1568.2	1567.6	1564.7	1539.0	1511.5	1484.6	1449.3	1414.7	1381.8	1370.5	1320.9
10°	1636.9	1638.1	1639.9	1612.4	1585.6	1553.3	1510.3	1458.9	1421.3	1403.3	1338.8
12.5°	1712.2	1708.6	1713.4	1686.5	1649.5	1620.2	1581.4	1521.0	1476.2	1453.5	1373.5
15°	1798.2	1798.2	1791.7	1769.6	1731.9	1696.1	1657.3	1601.7	1547.9	1513.3	1420.1
17.5°	1857.4	1853.8	1852.0	1832.9	1800.6	1769.6	1739.7	1682.9	1624.4	1582.0	1463.7
20°	1882.5	1883.7	1892.0	1878.3	1861.0	1842.5	1809.6	1765.4	1700.9	1655.5	1510.3
22.5°	1930.9	1932.1	1942.2	1932.7	1927.9	1923.1	1892.6	1853.8	1785.1	1741.5	1568.8
25°	1933.9	1935.1	1962.5	1978.1	2002.6	2013.9	1993.0	1959.5	1889.6	1847.2	1656.1
27.5°	1942.8	1946.4	1974.5	2017.5	2082.0	2104.7	2092.8	2091.6	2032.4	1987.6	1769.6
30°	1935.1	1938.6	1979.3	2039.0	2128.6	2195.5	2209.3	2244.5	2220.6	2187.2	1927.3
32.5°	1880.1	1893.2	1941.6	2036.6	2168.6	2289.9	2334.1	2454.8	2490.7	2494.2	2243.9
35°	1780.3	1787.5	1875.3	2009.1	2195.5	2378.9	2500.8	2723.7	2875.4	2868.8	2594.6
37.5°	1704.4	1706.8	1797.0	1962.5	2210.5	2474.5	2690.8	3047.5	3221.9	3229.7	2911.2
40°	1607.1	1624.4	1711.0	1906.4	2202.1	2555.2	2879.6	3349.2	3552.3	3543.9	3189.0
42.5°	1516.3	1526.4	1612.4	1818.6	2171.6	2616.7	3064.8	3641.3	3840.8	3813.3	3455.5
45°	1421.9	1439.2	1518.1	1705.0	2111.3	2651.4	3232.7	3918.5	4101.3	4067.3	3690.3
47.5°	1327.5	1340.0	1423.7	1601.1	1997.8	2650.2	3397.5	4178.4	4332.5	4308.6	3912.5
50°	1010.2	1037.7	1257.6	1492.4	1838.3	2600.0	3530.8	4425.1	4575.1	4538.0	4129.4
52.5°	926.0	935.0	996.5	1366.3	1668.0	2480.5	3634.7	4656.9	4788.9	4746.5	4333.7
55°	875.2	886.0	911.1	1110.6	1528.2	2283.9	3677.7	4873.2	4971.8	4928.7	4515.9
57.5°	807.7	818.5	868.1	956.5	1382.4	1984.6	3614.4	5065.0	5133.7	5086.5	4685.0
60°	761.1	765.9	813.7	883.0	1222.9	1682.3	3402.9	5220.9	5292.6	5236.4	4852.3
62.5°	718.1	723.5	757.5	826.2	1090.9	1460.7	3073.7	5259.1	5405.5	5361.9	5005.2
65°	668.5	673.3	704.4	765.3	988.7	1316.1	2734.4	5200.6	5440.1	5390.5	5064.4
67.5°	602.8	609.4	633.9	688.8	854.9	1152.4	2229.6	5092.4	5288.4	5237.0	4943.1
70°	521.6	524.5	553.8	603.4	722.3	1000.1	1748.7	4707.7	4987.9	4931.1	4601.4
72.5°	421.2	426.6	458.2	510.2	593.2	823.8	1249.2	4067.9	4607.3	4585.8	4103.7
75°	281.4	302.3	377.6	430.1	490.5	643.4	838.8	2855.1	4113.3	4130.0	3505.7
77.5°	53.8	55.6	158.3	235.4	286.8	393.1	519.2	1402.7	2711.1	3004.4	2643.6
80°	35.2	38.2	67.5	164.9	190.0	194.8	266.5	614.7	1021.6	1292.2	1524.6
82.5°	18.5	22.1	40.6	95.6	87.2	48.4	87.2	317.2	566.4	650.6	768.9
85°	7.8	9.0	19.7	32.9	24.5	20.3	20.3	126.7	250.9	290.3	301.7
87.5°	1.2	1.2	4.2	6.0	3.6	2.4	1.8	0.6	0.6	0.6	0.6
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°	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4	1290.4
2.5°	1285.7	1274.9	1260.0	1242.6	1230.1	1223.5	1218.1	1203.8	1199.0	1208.6	1206.2
5°	1291.0	1278.5	1244.4	1216.4	1188.3	1170.9	1151.8	1126.7	1116.0	1122.0	1120.2
7.5°	1294.6	1279.1	1228.3	1184.7	1137.5	1104.6	1079.5	1046.7	1030.6	1036.5	1029.4
10°	1300.0	1276.7	1209.2	1151.2	1089.7	1041.9	1004.9	966.6	949.9	954.7	948.7
12.5°	1322.7	1285.1	1200.2	1122.6	1047.3	987.5	940.9	900.3	876.4	881.2	876.4
15°	1359.7	1301.8	1187.1	1086.1	1002.5	934.4	880.6	834.0	806.5	813.1	807.1
17.5°	1398.6	1322.1	1175.1	1045.5	954.7	878.8	822.7	783.2	739.0	743.2	734.2
20°	1432.0	1341.2	1168.6	1007.3	909.9	819.7	752.2	725.3	664.3	648.8	638.6
22.5°	1478.6	1369.3	1163.2	976.2	854.3	760.5	680.5	630.3	564.6	531.7	528.7
25°	1544.9	1411.1	1162.6	951.7	804.1	698.4	586.7	502.4	444.5	405.7	400.3
27.5°	1629.2	1466.7	1169.2	927.2	753.9	620.1	471.4	378.2	326.2	296.3	290.9
30°	1750.4	1539.6	1177.5	899.1	697.8	518.6	351.3	278.4	235.4	213.9	209.7
32.5°	2010.3	1726.6	1190.1	869.8	630.3	390.7	255.1	201.9	169.1	155.9	162.5
35°	2323.4	1980.5	1246.2	832.2	541.9	278.4	184.0	144.0	121.3	124.3	127.8
37.5°	2597.0	2223.0	1372.3	783.8	423.6	204.3	126.7	107.5	107.5	117.1	125.5
40°	2855.1	2441.7	1485.2	718.1	296.9	141.0	98.0	99.8	98.0	104.0	102.2
42.5°	3098.8	2649.0	1573.6	639.8	194.2	97.4	89.0	92.6	89.6	90.8	85.4
45°	3329.4	2863.4	1622.6	524.5	129.0	84.8	81.8	87.8	87.2	86.0	80.7
47.5°	3542.7	3052.2	1647.1	378.2	89.0	76.5	77.1	81.2	83.0	81.8	78.9
50°	3751.8	3240.4	1625.0	226.4	80.1	69.9	74.1	74.1	77.7	71.1	68.7
52.5°	3952.0	3429.2	1555.1	137.4	73.5	65.1	68.7	67.5	69.3	62.7	61.5
55°	4140.1	3569.6	1417.1	108.1	69.3	62.1	62.7	63.9	60.9	53.8	56.2
57.5°	4339.1	3689.1	1224.7	98.0	67.5	58.0	59.1	58.5	53.8	47.2	47.2
60°	4502.8	3775.7	1031.7	89.0	66.3	56.8	52.6	51.4	44.2	40.6	40.0
62.5°	4615.7	3800.2	843.6	79.5	62.7	52.6	47.2	43.6	37.0	33.5	32.3
65°	4624.7	3695.7	642.2	71.7	59.1	49.0	43.6	35.8	29.3	26.3	25.1
67.5°	4441.2	3405.3	452.8	65.7	53.2	45.4	38.2	28.7	23.3	20.9	20.3
70°	4057.7	3044.5	277.2	57.4	48.4	42.4	39.4	23.3	19.1	16.1	16.1
72.5°	3560.6	2637.0	162.5	49.0	40.6	34.1	26.3	19.7	16.1	12.5	12.5
75°	3051.6	2093.4	99.8	37.0	29.9	26.9	20.3	16.7	13.1	9.6	9.6
77.5°	2197.3	1545.5	77.7	23.9	18.5	19.1	14.9	13.1	10.8	7.8	7.8
80°	1348.4	940.9	55.6	16.1	10.8	10.8	10.8	10.2	7.8	6.6	6.0
82.5°	683.5	430.1	27.5	9.6	6.6	6.6	6.6	7.2	6.0	4.8	4.8
85°	240.2	120.7	8.4	4.8	4.2	4.2	3.6	3.6	3.0	2.4	2.4
87.5°	0.6	1.2	1.2	1.8	2.4	2.4	1.8	1.2	0.6	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)