

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: P510934

Luminaire Tested: **USSL-P-C016-D-U-T2-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C016-D-U-T2-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 880mA LED AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6595 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

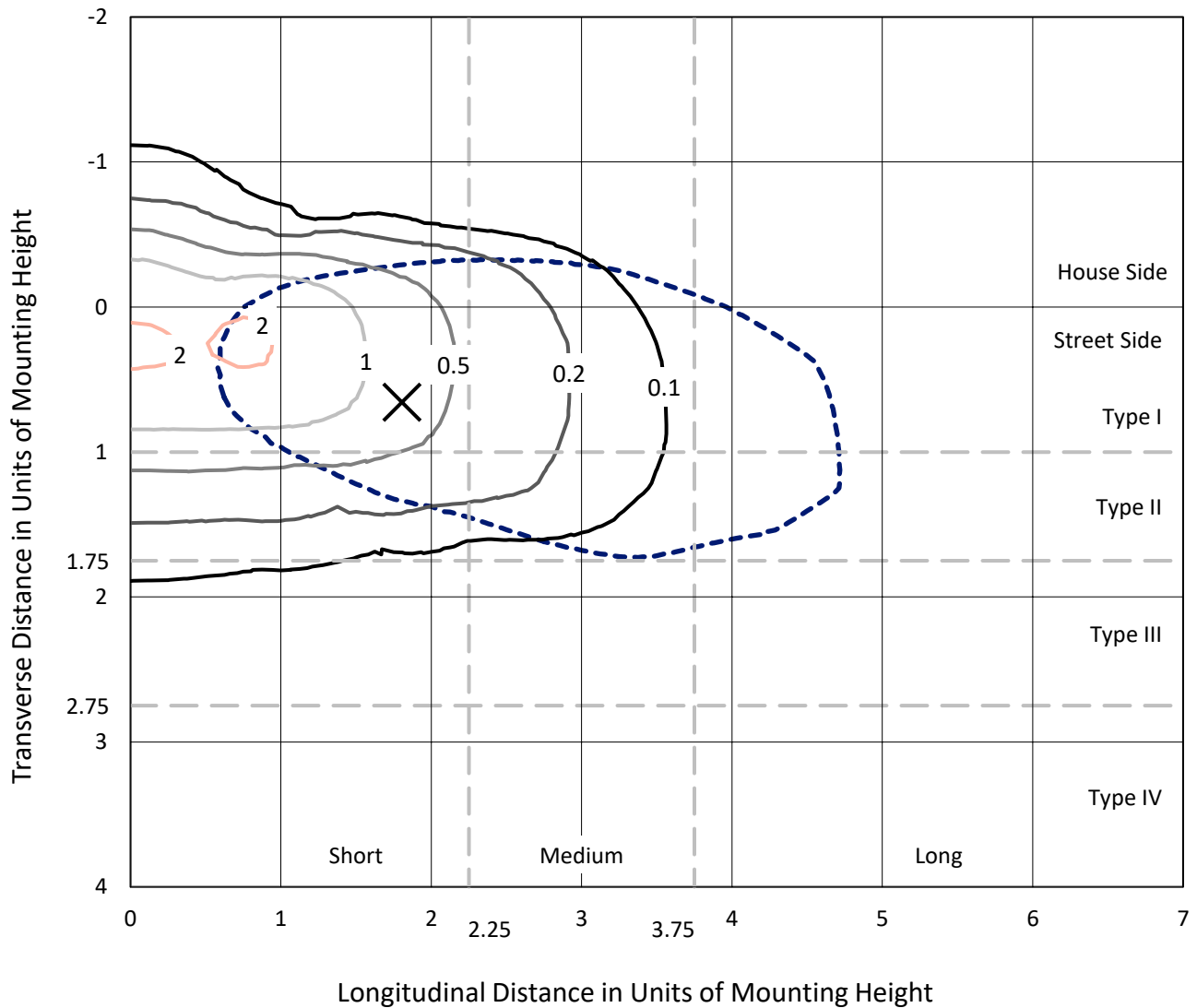
Input Watts (W): 49.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

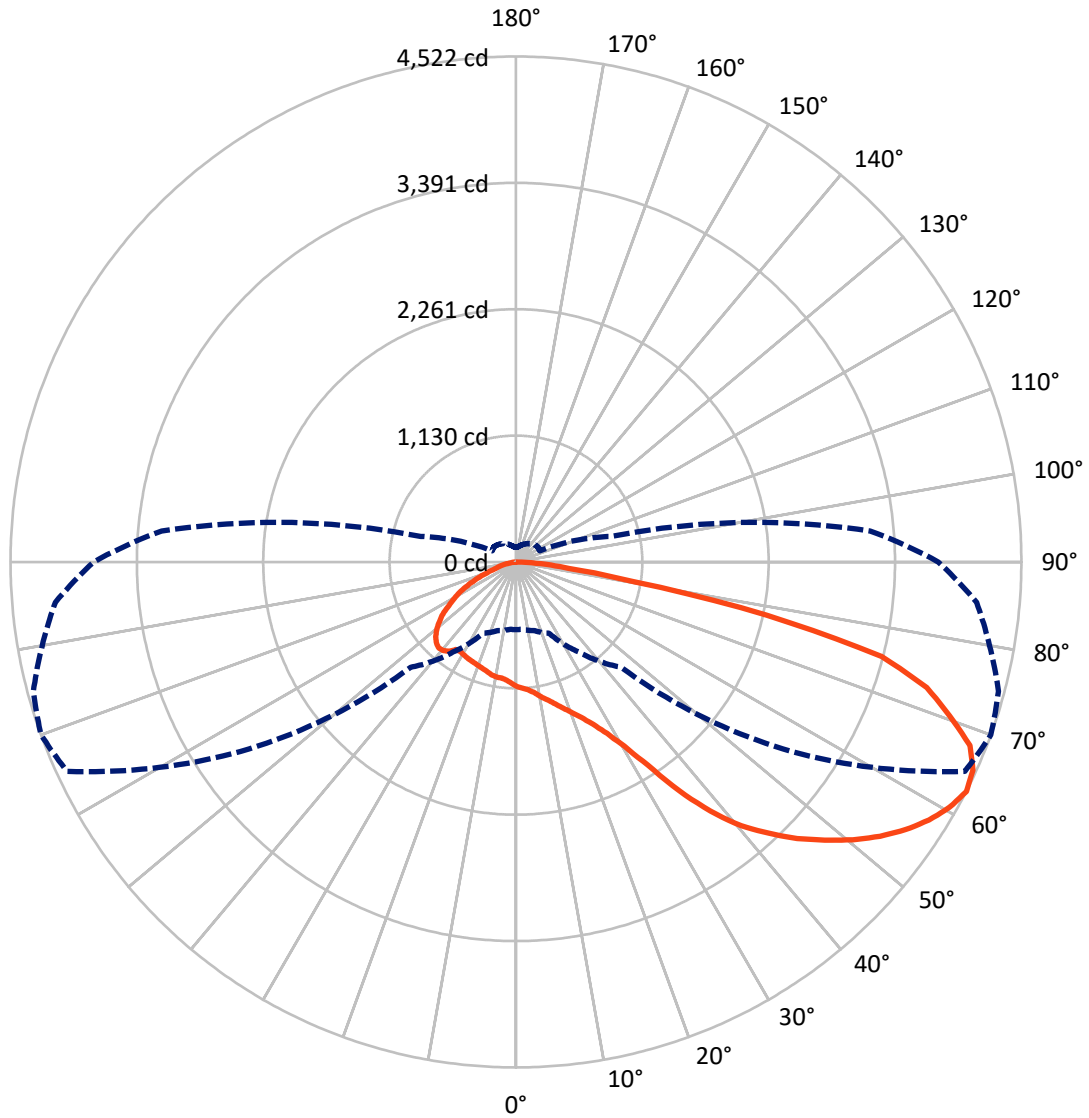
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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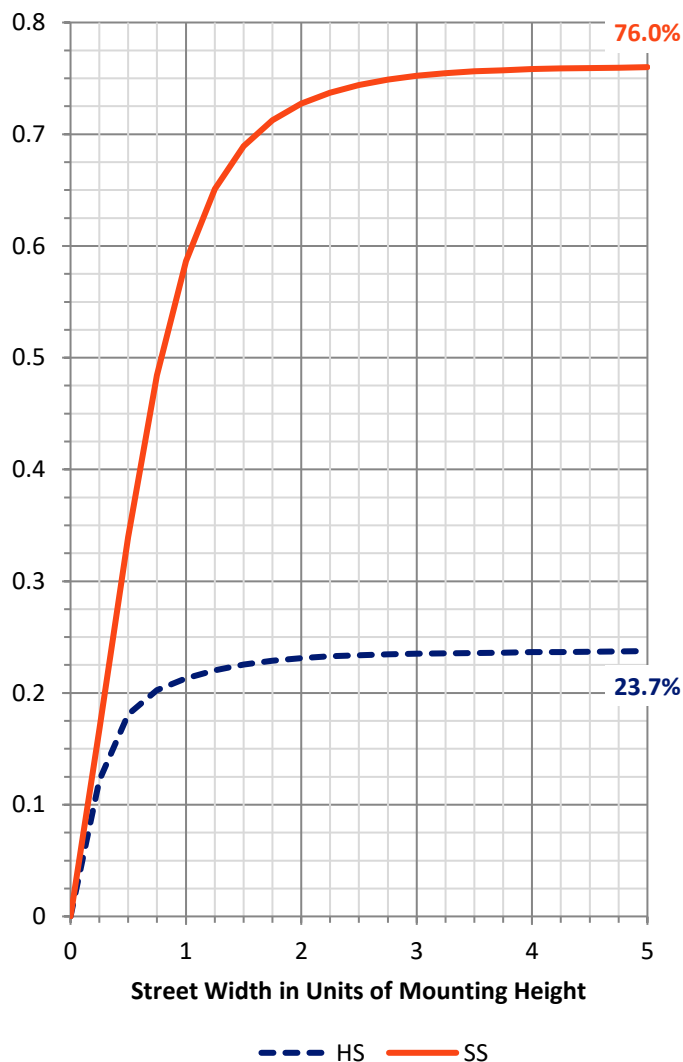
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1584.5	0.0	1584.5
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	5010.5	0.0	5010.5
	% Fixture	76.0	0.0	76.0
Total	Lumens	6595.0	0.0	6595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	1.6
10°-20°	327.5	5.0
20°-30°	557.0	8.4
30°-40°	842.1	12.8
40°-50°	1162.1	17.6
50°-60°	1357.0	20.6
60°-70°	1332.7	20.2
70°-80°	800.1	12.1
80°-90°	109.6	1.7
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°	6595.0	100.0
0°-180°	6595.0	100.0

Coefficient of Utilization

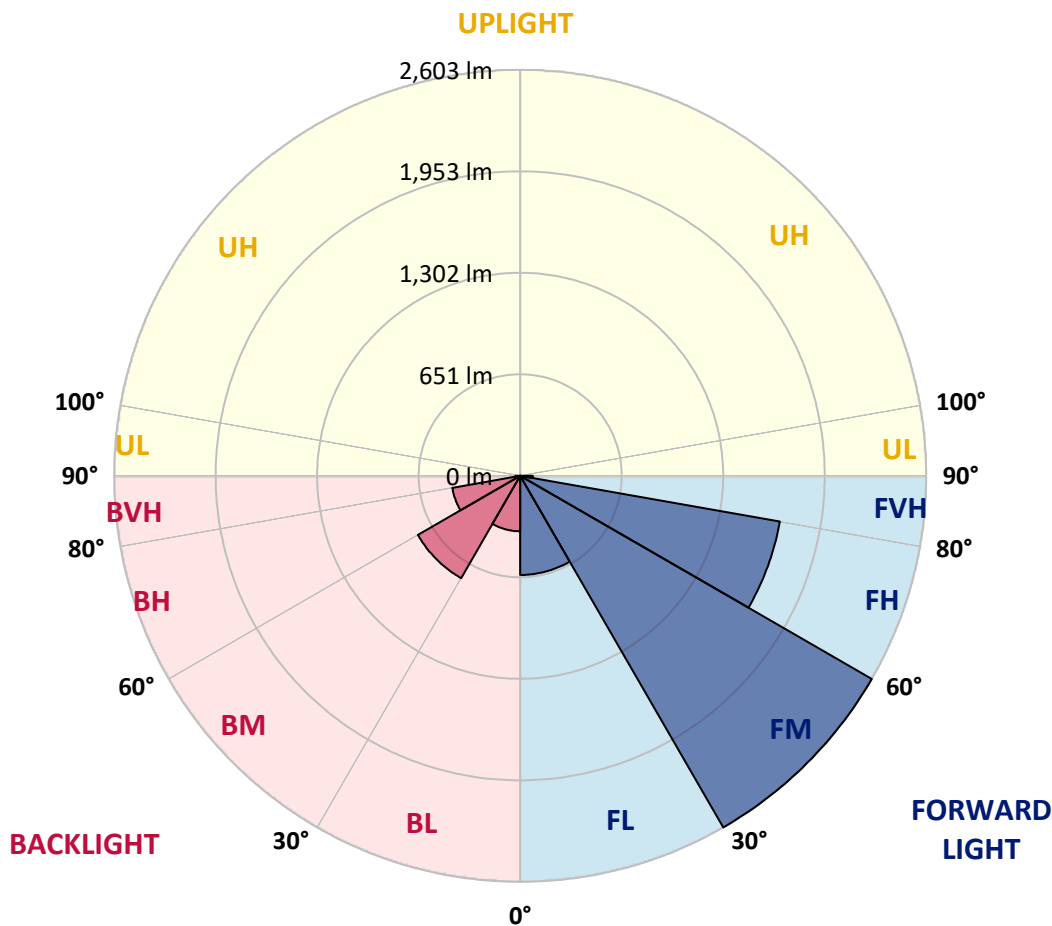


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	635.6	9.6			
FM (30°-60°)	2603.5	39.5			
FH (60°-80°)	1690.7	25.6			G1/1800
FVH (80°-90°)	80.8	1.2			G1/100
BL (0°-30°)	355.7	5.4	B1/500		
BM (30°-60°)	757.8	11.5	B1/1000		
BH (60°-80°)	442.2	6.7	B1/500		G1/500
BVH (80°-90°)	28.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1
2.5°	1179.4	1180.8	1172.5	1168.3	1162.8	1158.7	1147.6	1138.0	1131.1	1125.5	1114.5
5°	1245.7	1244.3	1236.0	1220.8	1211.2	1197.3	1173.9	1157.3	1147.6	1136.6	1114.5
7.5°	1312.0	1306.4	1298.2	1284.3	1271.9	1252.6	1227.7	1194.6	1180.8	1162.8	1128.3
10°	1367.2	1367.2	1364.4	1352.0	1338.2	1312.0	1287.1	1248.4	1225.0	1198.7	1149.0
12.5°	1422.5	1421.1	1412.8	1405.9	1392.1	1368.6	1339.6	1296.8	1266.4	1238.8	1171.1
15°	1479.1	1476.3	1466.6	1457.0	1437.6	1419.7	1390.7	1350.6	1317.5	1283.0	1197.3
17.5°	1538.5	1534.3	1521.9	1516.4	1494.3	1476.3	1452.8	1410.0	1375.5	1334.1	1234.6
20°	1582.7	1581.3	1570.2	1567.5	1556.4	1535.7	1517.7	1480.5	1439.0	1394.8	1277.4
22.5°	1617.2	1617.2	1614.4	1619.9	1624.1	1610.3	1586.8	1555.0	1510.8	1468.0	1332.7
25°	1642.0	1642.0	1651.7	1668.3	1691.8	1690.4	1679.3	1647.6	1610.3	1561.9	1403.1
27.5°	1650.3	1651.7	1665.5	1708.3	1760.8	1776.0	1770.5	1762.2	1735.9	1676.6	1499.8
30°	1650.3	1651.7	1680.7	1741.5	1825.7	1865.8	1882.3	1919.6	1911.3	1867.1	1664.1
32.5°	1626.8	1629.6	1666.9	1752.5	1869.9	1945.9	2006.6	2128.2	2164.1	2172.3	1968.0
35°	1541.2	1548.1	1608.9	1737.3	1905.8	2043.9	2166.8	2404.4	2512.1	2521.7	2292.5
37.5°	1466.6	1470.8	1553.6	1706.9	1927.9	2133.7	2339.5	2712.3	2828.3	2827.0	2543.8
40°	1396.2	1404.5	1483.2	1658.6	1925.1	2212.4	2514.8	2988.5	3104.5	3059.0	2755.1
42.5°	1316.1	1325.8	1401.7	1597.8	1907.2	2284.2	2684.7	3242.6	3317.2	3291.0	2965.1
45°	1230.5	1234.6	1313.4	1498.4	1865.8	2328.4	2847.7	3466.4	3528.5	3480.2	3151.5
47.5°	1153.2	1158.7	1225.0	1399.0	1787.0	2342.2	2991.3	3665.2	3717.7	3677.7	3318.6
50°	917.0	933.6	1128.3	1309.2	1671.0	2313.2	3126.6	3843.4	3905.5	3853.0	3494.0
52.5°	791.3	801.0	878.3	1216.7	1516.4	2235.9	3221.9	4022.9	4076.8	4007.7	3645.9
55°	740.2	741.6	787.2	1039.9	1389.3	2104.7	3278.5	4185.9	4227.3	4159.6	3797.8
57.5°	694.7	701.6	741.6	847.9	1266.4	1867.1	3281.3	4308.8	4355.7	4271.5	3922.1
60°	643.6	649.1	694.7	766.5	1125.5	1559.2	3166.7	4415.1	4456.6	4384.7	4045.0
62.5°	603.5	604.9	635.3	704.3	984.7	1332.7	2916.7	4430.3	4521.5	4469.0	4136.2
65°	555.2	557.9	588.3	649.1	870.0	1158.7	2635.0	4344.7	4492.5	4493.8	4185.9
67.5°	493.0	494.4	527.6	588.3	752.7	1024.7	2171.0	4256.3	4379.2	4402.7	4086.4
70°	410.2	418.4	447.5	505.5	638.0	867.3	1650.3	4009.1	4115.4	4176.2	3828.2
72.5°	310.7	324.5	360.4	421.2	512.4	726.4	1160.1	3627.9	3842.0	3884.8	3449.8
75°	64.9	66.3	107.7	222.3	414.3	563.5	795.5	2759.3	3379.4	3451.2	2931.9
77.5°	29.0	31.8	49.7	74.6	134.0	363.2	520.6	1447.3	2295.3	2694.4	2314.6
80°	22.1	23.5	40.0	59.4	82.9	109.1	256.9	795.5	1066.1	1490.1	1557.8
82.5°	12.4	13.8	26.2	42.8	52.5	49.7	106.3	345.3	477.8	604.9	759.6
85°	6.9	8.3	15.2	23.5	22.1	24.9	47.0	183.7	272.1	359.1	383.9
87.5°	2.8	4.1	5.5	8.3	8.3	6.9	8.3	34.5	49.7	47.0	33.1
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°	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1
2.5°	1109.0	1102.1	1091.0	1080.0	1070.3	1062.0	1053.7	1051.0	1049.6	1049.6	1055.1
5°	1103.4	1092.4	1070.3	1051.0	1031.6	1017.8	1006.8	995.7	995.7	993.0	993.0
7.5°	1110.3	1093.8	1060.6	1031.6	1006.8	987.4	975.0	962.6	955.7	954.3	954.3
10°	1124.2	1103.4	1062.0	1024.7	993.0	962.6	943.2	923.9	912.9	907.3	908.7
12.5°	1138.0	1107.6	1056.5	1010.9	968.1	929.4	896.3	868.7	856.2	857.6	857.6
15°	1151.8	1114.5	1042.7	986.0	933.6	883.9	850.7	821.7	803.8	801.0	805.1
17.5°	1179.4	1128.3	1037.1	962.6	897.7	839.7	807.9	784.4	751.3	751.3	748.5
20°	1212.5	1151.8	1038.5	937.7	860.4	794.1	756.8	734.7	705.7	689.1	685.0
22.5°	1255.3	1183.5	1041.3	914.2	820.3	747.1	697.4	669.8	649.1	625.6	621.5
25°	1316.1	1222.2	1048.2	890.8	777.5	693.3	629.7	593.8	570.4	544.1	542.7
27.5°	1383.8	1266.4	1055.1	867.3	727.8	625.6	545.5	505.5	486.1	473.7	469.5
30°	1497.0	1339.6	1064.8	839.7	668.4	537.2	458.5	433.6	418.4	390.8	396.4
32.5°	1781.5	1531.6	1075.8	807.9	607.6	458.5	400.5	370.1	342.5	321.8	320.4
35°	2056.3	1778.8	1129.7	772.0	533.1	383.9	346.6	303.8	270.7	261.0	261.0
37.5°	2298.0	1984.5	1260.9	738.8	459.9	343.9	288.6	255.5	234.8	221.0	237.5
40°	2512.1	2191.7	1358.9	691.9	381.2	295.5	232.0	221.0	208.5	205.8	207.2
42.5°	2701.3	2354.6	1434.9	632.5	324.5	241.7	201.6	211.3	209.9	208.5	203.0
45°	2887.7	2517.6	1483.2	546.9	277.6	205.8	198.9	214.1	215.4	215.4	209.9
47.5°	3046.5	2657.1	1513.6	450.2	237.5	204.4	204.4	207.2	215.4	218.2	215.4
50°	3206.7	2784.1	1512.2	350.8	234.8	214.1	207.2	200.2	207.2	200.2	198.9
52.5°	3362.8	2896.0	1452.8	285.9	243.1	226.5	208.5	196.1	185.1	185.1	179.5
55°	3489.8	2989.9	1338.2	267.9	251.3	233.4	209.9	192.0	176.8	164.3	171.2
57.5°	3605.8	3082.4	1168.3	261.0	251.3	232.0	209.9	187.8	169.9	151.9	143.6
60°	3713.6	3161.2	1023.3	248.6	250.0	226.5	204.4	182.3	157.4	139.5	134.0
62.5°	3777.1	3181.9	881.1	234.8	238.9	221.0	200.2	176.8	151.9	132.6	129.8
65°	3761.9	3123.9	708.5	219.6	229.2	214.1	193.3	167.1	142.2	122.9	117.4
67.5°	3615.5	2900.1	544.1	197.5	214.1	204.4	182.3	136.7	82.9	67.7	69.1
70°	3293.7	2608.7	385.3	168.5	187.8	185.1	139.5	92.5	66.3	52.5	56.6
72.5°	2915.3	2256.6	266.5	132.6	142.2	129.8	106.3	80.1	56.6	44.2	44.2
75°	2427.8	1807.8	200.2	107.7	74.6	89.8	91.1	70.4	56.6	66.3	73.2
77.5°	1894.8	1336.8	158.8	85.6	33.1	49.7	66.3	59.4	100.8	105.0	98.1
80°	1271.9	903.2	124.3	29.0	18.0	20.7	40.0	81.5	84.2	47.0	44.2
82.5°	704.3	470.9	52.5	16.6	9.7	11.0	20.7	106.3	55.2	42.8	41.4
85°	324.5	198.9	19.3	8.3	5.5	5.5	5.5	18.0	11.0	8.3	11.0
87.5°	24.9	15.2	4.1	2.8	2.8	1.4	0.0	1.4	1.4	1.4	1.4
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)