

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: INVUE

Report Number: P675392

Luminaire Tested: **CCW-SA-1E-730-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675392
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-730-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL2 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

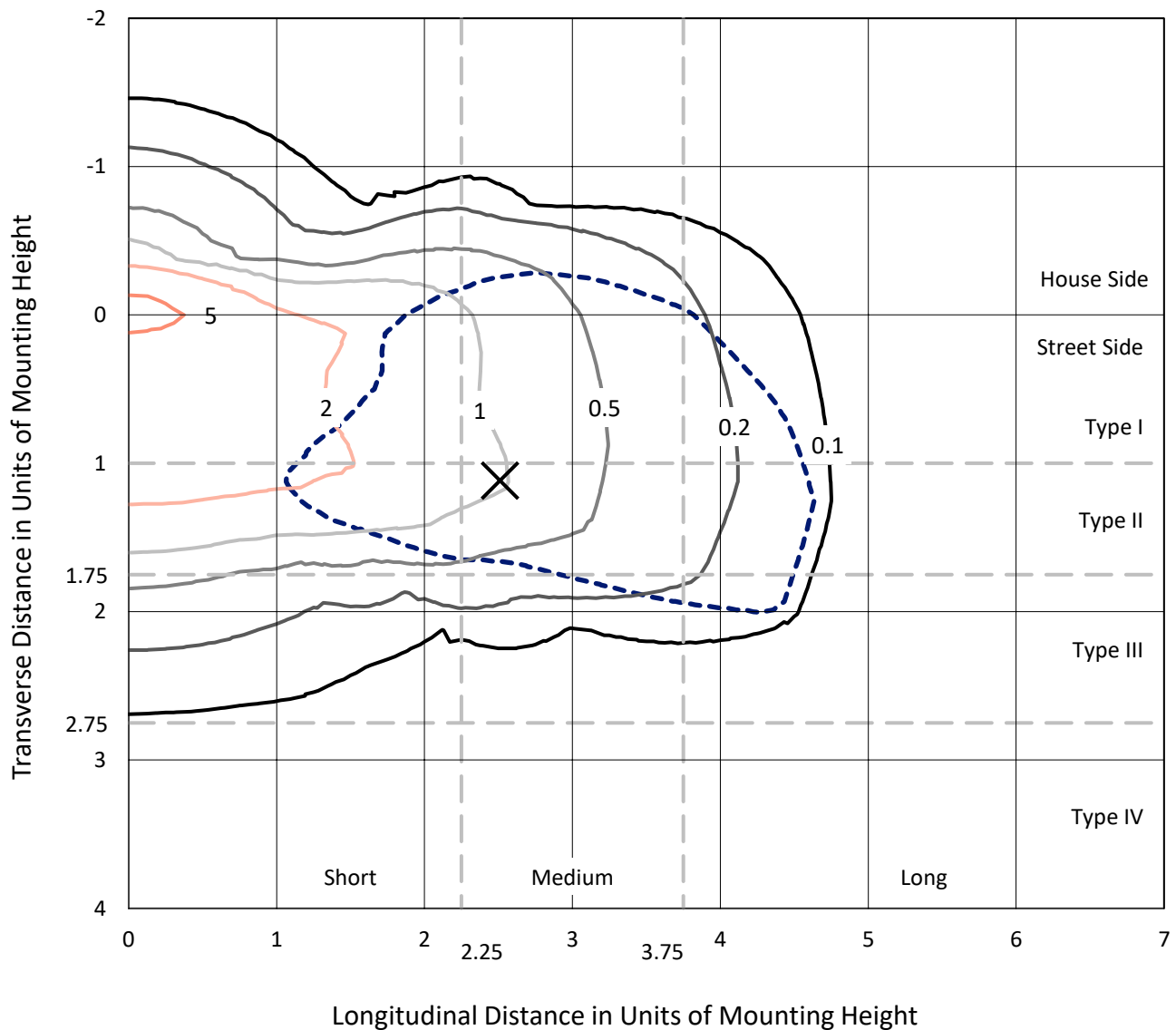
Lumens per Lamp: N/A
Luminaire Lumens: 6161.6 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

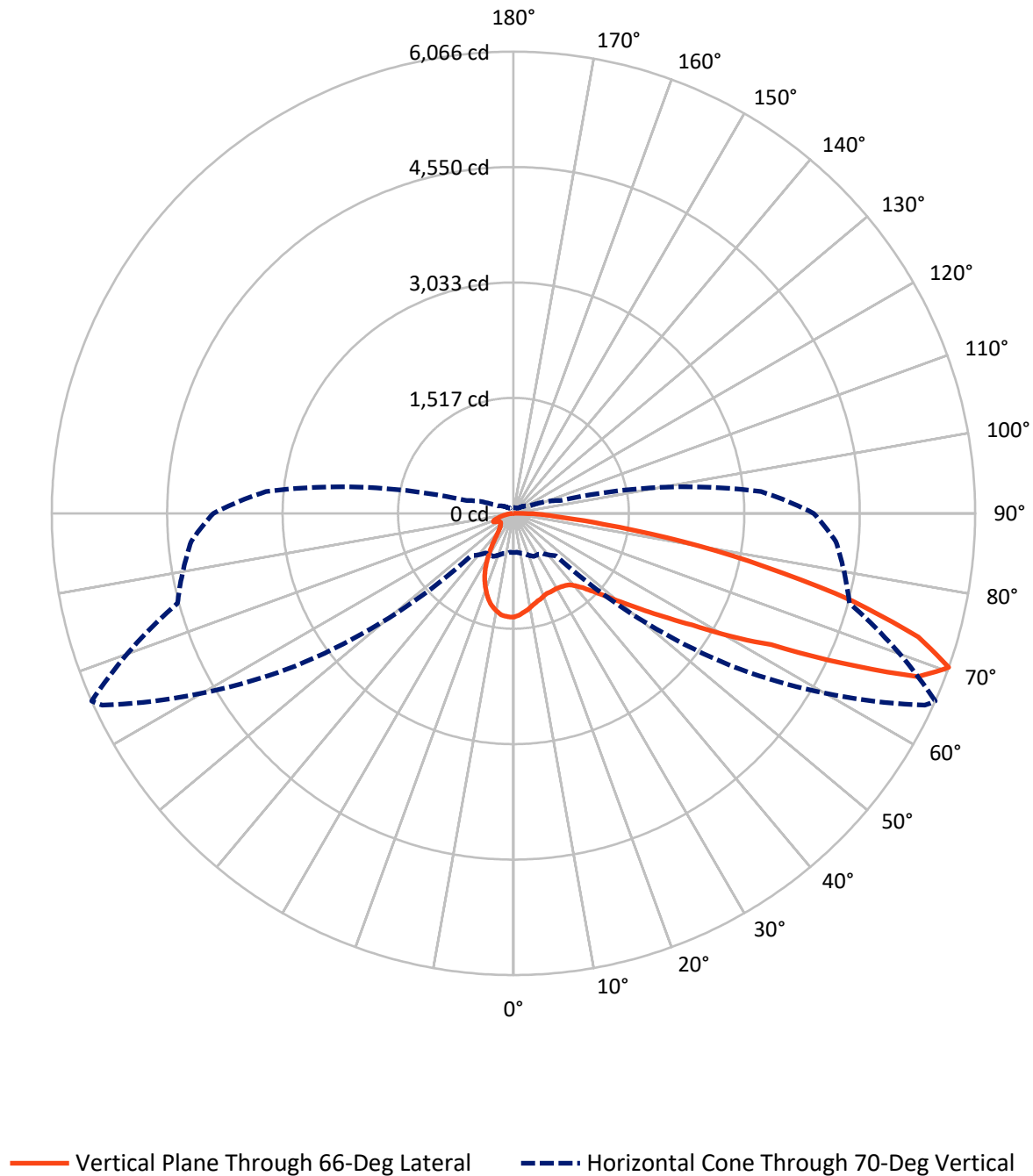
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1261.2	0.0	1261.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4900.4	0.0	4900.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	6161.6	0.0	6161.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	2.0
10°-20°	296.3	4.8
20°-30°	406.9	6.6
30°-40°	545.6	8.9
40°-50°	791.6	12.8
50°-60°	1203.3	19.5
60°-70°	1486.1	24.1
70°-80°	1105.2	17.9
80°-90°	206.1	3.3
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°	6161.6	100.0
0°-180°	6161.6	100.0

Coefficient of Utilization



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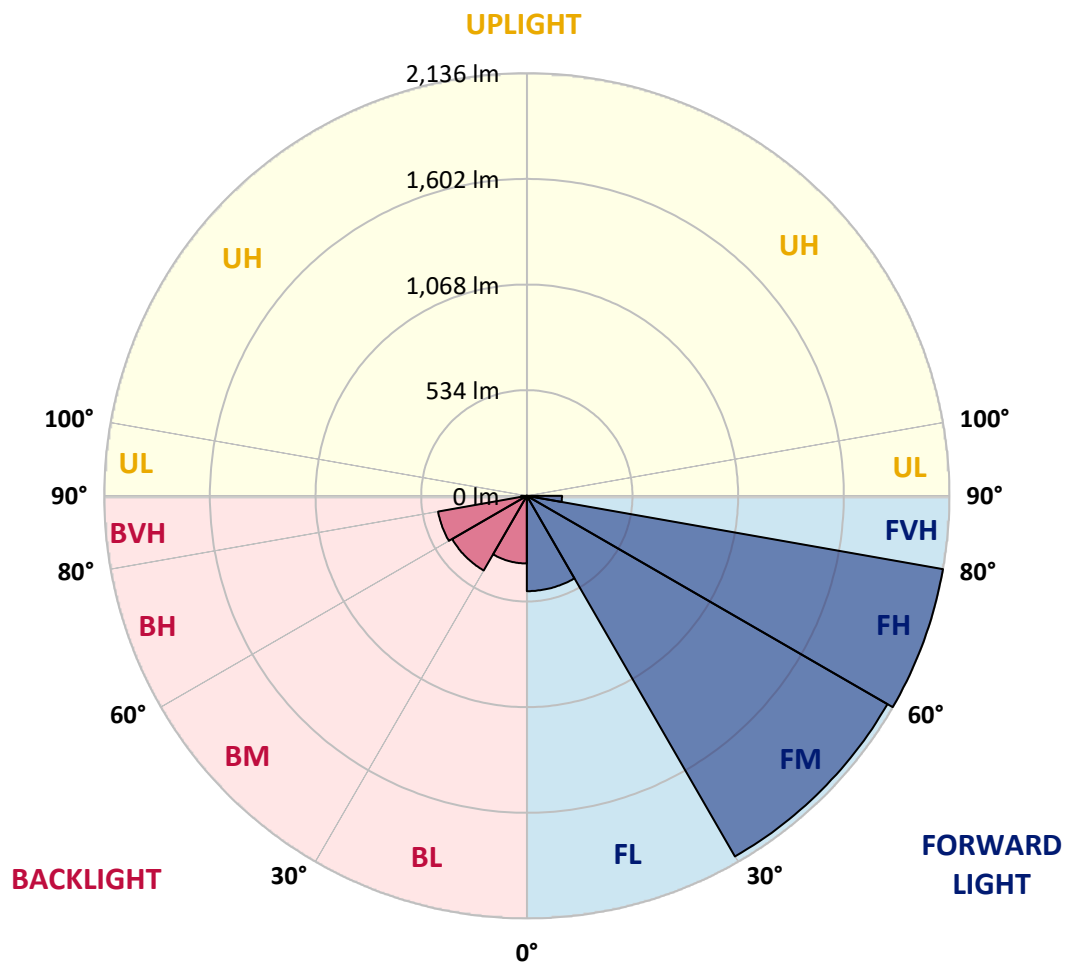
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	481.8	7.8			
FM	(30°-60°)	2104.9	34.2			
FH	(60°-80°)	2136.0	34.7			G2/5000
FVH	(80°-90°)	177.7	2.9			G2/225
BL	(0°-30°)	341.8	5.5	B1/500		
BM	(30°-60°)	435.7	7.1	B1/1000		
BH	(60°-80°)	455.3	7.4	B1/500		G1/500
BVH	(80°-90°)	28.5	0.5			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°	65°	66°	75°	85°
0°	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3
2.5°	1294.8	1301.7	1304.0	1308.6	1320.0	1329.2	1343.0	1349.8	1343.0	1352.1	1352.1
5°	1205.5	1196.3	1219.2	1228.4	1242.1	1260.5	1292.5	1317.7	1310.9	1338.4	1361.3
7.5°	1129.8	1129.8	1136.7	1157.3	1173.4	1200.9	1235.2	1274.2	1285.7	1322.3	1356.7
10°	1061.1	1070.2	1070.2	1102.3	1111.5	1143.6	1200.9	1249.0	1251.3	1313.2	1361.3
12.5°	1024.4	1019.8	1042.7	1051.9	1079.4	1111.5	1157.3	1216.9	1219.2	1285.7	1352.1
15°	994.6	999.2	1010.7	1033.6	1058.8	1084.0	1127.5	1182.5	1194.0	1271.9	1347.5
17.5°	996.9	999.2	999.2	1015.2	1035.9	1065.7	1106.9	1171.1	1178.0	1253.6	1340.7
20°	1010.7	1001.5	1008.4	1015.2	1029.0	1056.5	1090.9	1145.9	1152.7	1251.3	1356.7
22.5°	1040.4	1033.6	1031.3	1029.0	1026.7	1042.7	1086.3	1132.1	1139.0	1239.8	1363.6
25°	1088.6	1086.3	1070.2	1054.2	1042.7	1042.7	1077.1	1143.6	1141.3	1239.8	1368.2
27.5°	1145.9	1145.9	1143.6	1113.8	1079.4	1061.1	1084.0	1139.0	1136.7	1239.8	1379.6
30°	1223.8	1223.8	1216.9	1189.4	1127.5	1074.8	1088.6	1134.4	1141.3	1230.7	1370.5
32.5°	1308.6	1306.3	1313.2	1288.0	1223.8	1139.0	1116.1	1143.6	1150.5	1239.8	1372.7
35°	1370.5	1384.2	1407.1	1384.2	1320.0	1205.5	1155.0	1161.9	1166.5	1242.1	1381.9
37.5°	1441.5	1457.5	1489.6	1508.0	1439.2	1306.3	1216.9	1191.7	1191.7	1271.9	1384.2
40°	1544.6	1528.6	1583.6	1615.7	1588.2	1430.0	1313.2	1246.7	1249.0	1310.9	1414.0
42.5°	1620.3	1636.3	1693.6	1750.9	1716.5	1581.3	1418.6	1336.1	1336.1	1368.2	1459.8
45°	1705.1	1723.4	1803.6	1872.3	1897.6	1762.3	1563.0	1464.4	1459.8	1480.5	1542.3
47.5°	1799.0	1824.2	1915.9	1996.1	2062.6	1950.3	1748.6	1620.3	1618.0	1634.0	1679.8
50°	1906.7	1915.9	1991.5	2138.2	2271.1	2200.1	1975.5	1840.3	1828.8	1835.7	1897.6
52.5°	1938.8	1931.9	2019.0	2177.1	2420.1	2504.9	2284.9	2090.1	2085.5	2069.4	2149.6
55°	1821.9	1844.8	1929.6	2131.3	2541.5	2864.7	2624.0	2431.5	2390.3	2346.7	2443.0
57.5°	1588.2	1590.5	1686.7	1925.1	2447.6	3162.6	3199.3	2766.1	2768.4	2651.5	2761.5
60°	1235.2	1228.4	1304.0	1519.4	2179.4	3254.3	3827.2	3300.1	3277.2	2956.3	3057.2
62.5°	891.5	877.7	893.8	1019.8	1629.4	3114.5	4443.7	3898.2	3802.0	3268.0	3345.9
65°	733.4	740.2	747.1	754.0	914.4	2569.0	4633.9	4874.5	4746.2	3632.4	3664.5
67.5°	607.3	611.9	641.7	682.9	678.4	1517.1	4413.9	5777.5	5729.3	4083.9	3939.5
70°	515.6	513.3	547.7	623.4	634.8	788.4	3494.9	5963.1	6066.2	4569.7	4251.2
72.5°	412.5	417.1	446.9	547.7	623.4	664.6	2012.1	5564.3	5562.0	4943.3	4083.9
75°	295.6	295.6	336.9	453.8	602.7	657.7	1113.8	4517.0	4601.8	4645.3	3543.0
77.5°	194.8	204.0	236.0	339.2	566.1	644.0	705.9	3284.1	3389.5	3474.3	2711.1
80°	132.9	137.5	158.1	236.0	479.0	648.6	577.5	2209.2	2250.5	1918.2	1100.0
82.5°	80.2	82.5	105.4	165.0	343.8	616.5	543.1	1219.2	1194.0	579.8	316.3
85°	43.5	45.8	66.5	110.0	226.9	538.6	534.0	598.1	556.9	213.1	132.9
87.5°	16.0	16.0	29.8	55.0	130.6	369.0	465.2	355.2	332.3	107.7	61.9
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°	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3
2.5°	1363.6	1363.6	1363.6	1363.6	1361.3	1352.1	1359.0	1356.7	1343.0	1345.2	1336.1
5°	1359.0	1370.5	1363.6	1354.4	1343.0	1315.5	1306.3	1299.4	1281.1	1274.2	1281.1
7.5°	1370.5	1361.3	1356.7	1340.7	1294.8	1269.6	1237.5	1198.6	1171.1	1164.2	1171.1
10°	1368.2	1368.2	1347.5	1301.7	1258.2	1184.8	1143.6	1074.8	1035.9	1024.4	1026.7
12.5°	1359.0	1365.9	1333.8	1260.5	1178.0	1088.6	1012.9	939.6	870.9	843.4	838.8
15°	1368.2	1361.3	1304.0	1210.0	1095.4	971.7	861.7	754.0	689.8	648.6	639.4
17.5°	1354.4	1347.5	1265.0	1141.3	987.7	829.6	692.1	575.2	511.1	495.0	495.0
20°	1370.5	1326.9	1219.2	1058.8	875.4	673.8	517.9	430.8	414.8	414.8	419.4
22.5°	1368.2	1322.3	1180.2	978.6	740.2	508.8	385.0	359.8	362.1	380.4	378.1
25°	1354.4	1313.2	1125.2	889.2	598.1	382.7	318.6	311.7	327.7	348.3	346.1
27.5°	1352.1	1288.0	1074.8	783.8	456.1	302.5	277.3	277.3	293.3	311.7	309.4
30°	1338.4	1267.3	1012.9	664.6	343.8	263.5	254.4	254.4	261.3	270.4	270.4
32.5°	1336.1	1239.8	944.2	540.8	275.0	238.3	233.8	236.0	236.0	240.6	238.3
35°	1317.7	1203.2	873.2	419.4	238.3	224.6	220.0	217.7	217.7	215.4	215.4
37.5°	1310.9	1180.2	799.8	325.4	222.3	213.1	208.5	201.7	199.4	199.4	197.1
40°	1317.7	1157.3	728.8	263.5	208.5	204.0	197.1	187.9	185.6	185.6	185.6
42.5°	1343.0	1155.0	655.4	229.2	201.7	194.8	185.6	176.5	174.2	176.5	174.2
45°	1400.2	1173.4	584.4	213.1	192.5	185.6	174.2	167.3	165.0	167.3	167.3
47.5°	1494.2	1223.8	520.2	204.0	185.6	176.5	165.0	158.1	158.1	158.1	158.1
50°	1650.0	1320.0	458.3	197.1	181.0	169.6	158.1	149.0	146.7	146.7	149.0
52.5°	1883.8	1485.0	407.9	192.5	174.2	160.4	149.0	142.1	137.5	135.2	137.5
55°	2165.7	1725.7	391.9	187.9	165.0	153.5	142.1	132.9	128.3	128.3	126.0
57.5°	2468.2	1991.5	419.4	183.3	158.1	144.4	132.9	123.8	119.2	116.9	116.9
60°	2795.9	2305.5	520.2	181.0	151.3	135.2	123.8	116.9	110.0	107.7	107.7
62.5°	3093.8	2589.7	701.3	178.8	146.7	126.0	114.6	105.4	100.8	98.5	98.5
65°	3433.0	2905.9	877.7	187.9	144.4	119.2	105.4	96.3	91.7	89.4	89.4
67.5°	3728.7	3180.9	980.9	210.8	151.3	110.0	94.0	87.1	84.8	82.5	82.5
70°	3944.1	3265.7	657.7	231.5	162.7	103.1	84.8	80.2	75.6	75.6	75.6
72.5°	3655.3	2915.1	389.6	217.7	153.5	96.3	75.6	71.0	68.8	68.8	66.5
75°	3125.9	2481.9	300.2	176.5	123.8	82.5	66.5	61.9	59.6	59.6	57.3
77.5°	2307.8	1778.4	222.3	139.8	96.3	66.5	57.3	55.0	52.7	50.4	50.4
80°	902.9	779.2	151.3	103.1	71.0	52.7	48.1	45.8	43.5	41.3	41.3
82.5°	279.6	236.0	87.1	68.8	50.4	41.3	39.0	36.7	34.4	32.1	32.1
85°	121.5	116.9	57.3	43.5	34.4	27.5	27.5	25.2	22.9	20.6	20.6
87.5°	59.6	57.3	32.1	20.6	18.3	13.8	13.8	11.5	9.2	9.2	9.2
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)