

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: P670683

Luminaire Tested: **CCP-SA-1C-750-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670683
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-750-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2
distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4613.3 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

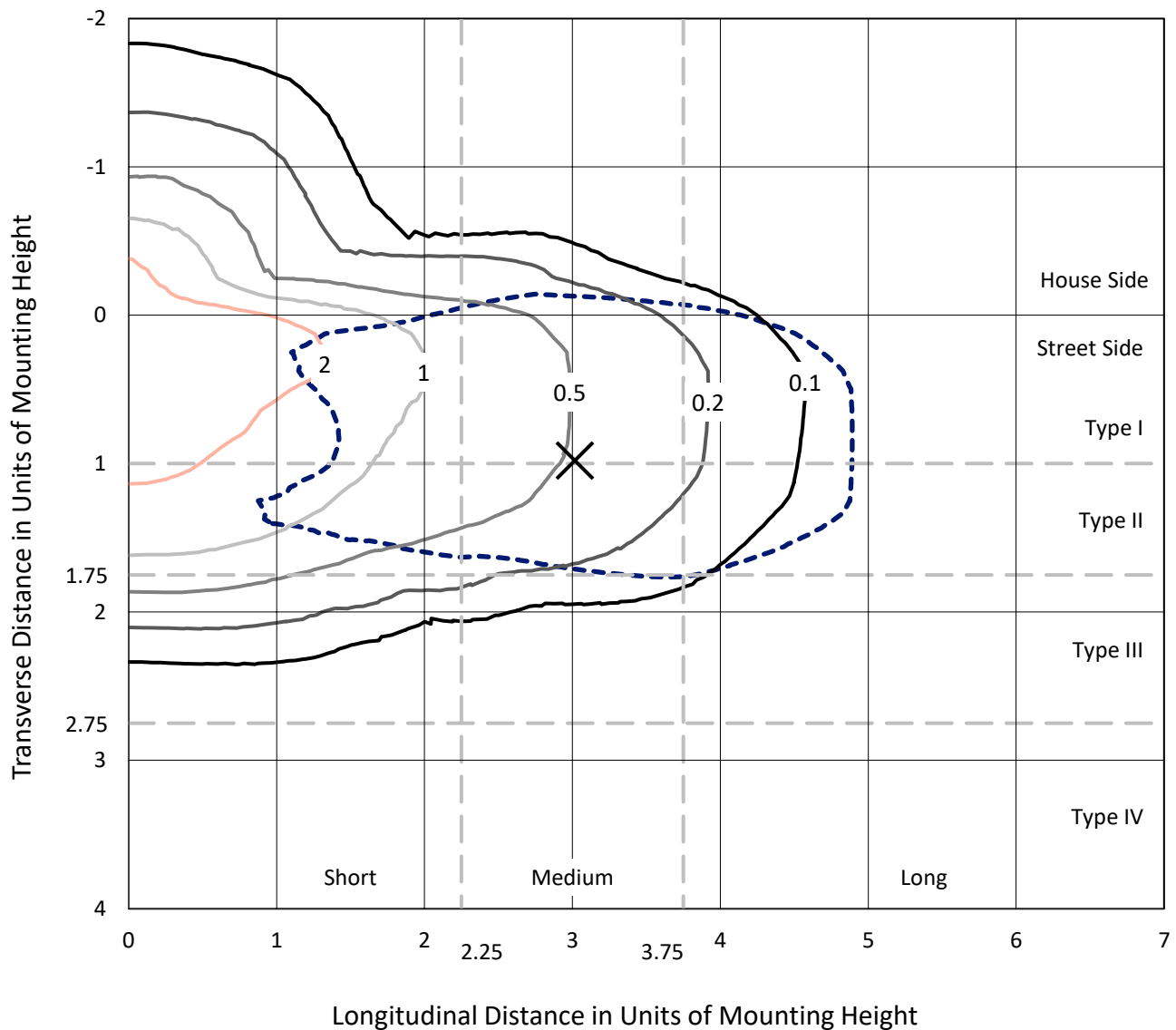
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

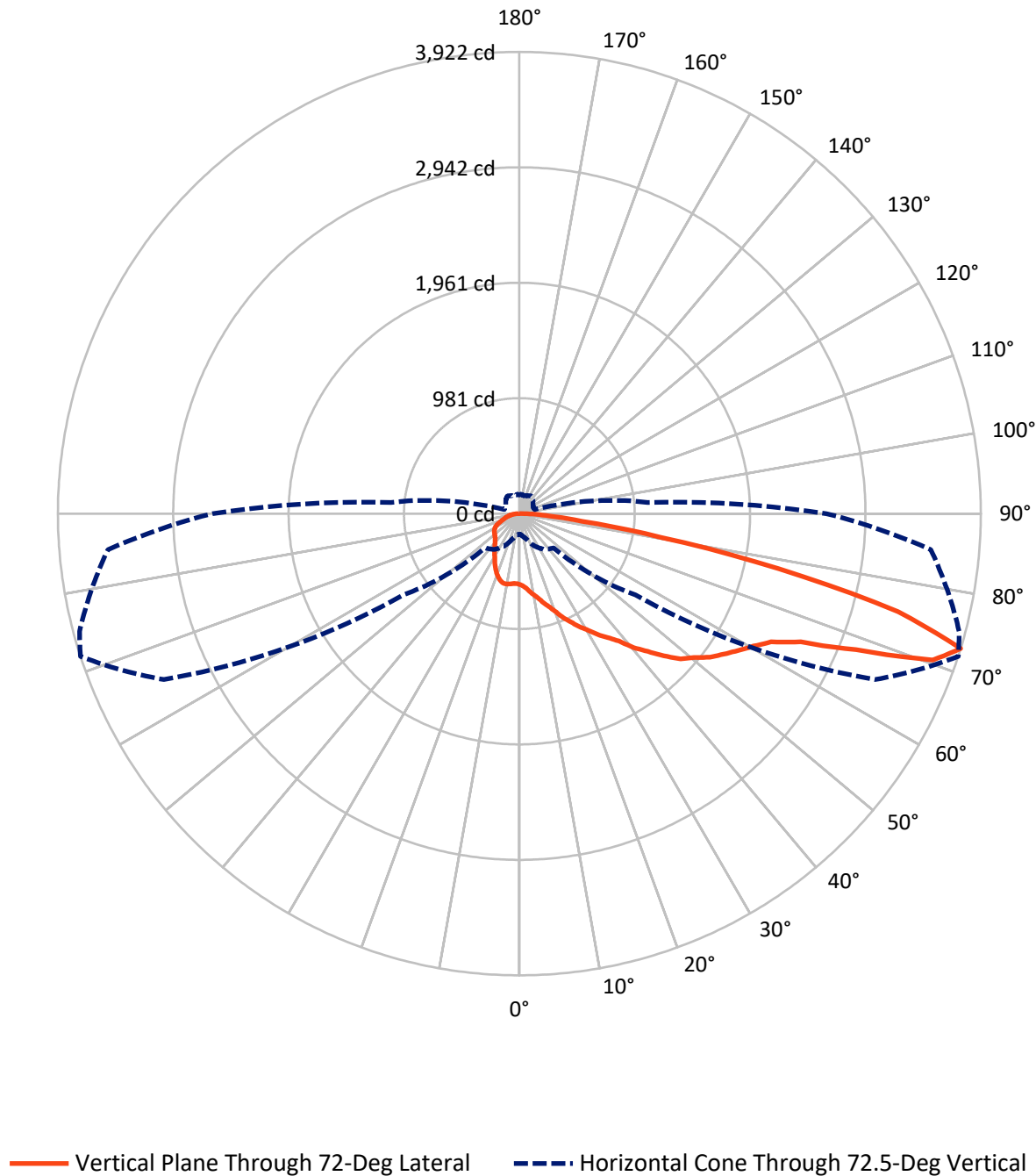
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	970.9	0.0	970.9
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3642.4	0.0	3642.4
	% Fixture	79.0	0.0	79.0
Total	Lumens	4613.3	0.0	4613.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.3
10°-20°	185.1	4.0
20°-30°	320.3	6.9
30°-40°	473.2	10.3
40°-50°	703.7	15.3
50°-60°	964.7	20.9
60°-70°	1046.4	22.7
70°-80°	737.7	16.0
80°-90°	122.6	2.7
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°	4613.3	100.0
0°-180°	4613.3	100.0

Coefficient of Utilization



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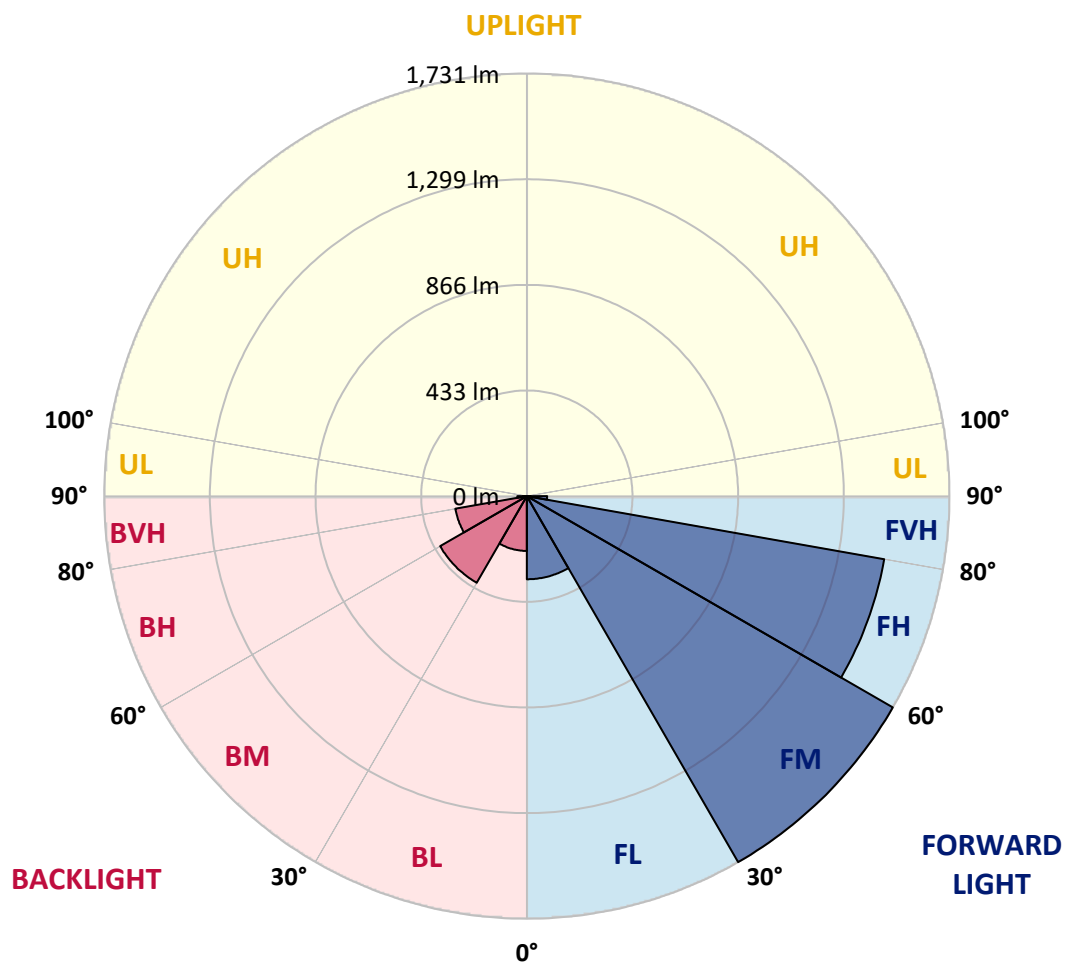
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	340.7	7.4			
FM	(30°-60°)	1731.5	37.5			
FH	(60°-80°)	1486.7	32.2			G1/1800
FVH	(80°-90°)	83.6	1.8			G1/100
BL	(0°-30°)	224.4	4.9	B1/500		
BM	(30°-60°)	410.1	8.9	B1/1000		
BH	(60°-80°)	297.4	6.4	B1/500		G1/500
BVH	(80°-90°)	39.0	0.8			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	650.3	650.3	645.2	643.5	643.5	629.9	631.6	623.0	616.2	616.2	609.4
5°	684.3	680.9	680.9	680.9	672.4	667.3	665.6	650.3	638.4	640.1	619.6
7.5°	692.8	694.5	696.2	704.8	699.7	703.1	699.7	682.6	674.1	665.6	646.9
10°	697.9	701.4	701.4	713.3	713.3	721.8	726.9	720.1	704.8	696.2	665.6
12.5°	709.9	704.8	711.6	720.1	728.6	743.9	759.2	752.4	742.2	732.0	697.9
15°	709.9	711.6	716.7	730.3	743.9	759.2	786.5	796.7	791.6	772.9	737.1
17.5°	689.4	684.3	708.2	733.7	759.2	778.0	813.7	837.5	834.1	827.3	772.9
20°	691.1	696.2	704.8	726.9	767.7	801.8	846.1	885.2	893.7	890.3	820.5
22.5°	721.8	723.5	732.0	742.2	774.6	818.8	885.2	948.2	963.5	955.0	873.3
25°	752.4	766.0	766.0	772.9	784.8	830.7	910.7	999.3	1021.4	1023.1	927.8
27.5°	801.8	805.2	815.4	818.8	829.0	856.3	939.7	1036.7	1087.8	1081.0	977.1
30°	859.7	861.4	868.2	864.8	866.5	900.5	966.9	1079.3	1149.1	1150.8	1029.9
32.5°	927.8	941.4	944.8	922.7	926.1	934.6	1009.5	1130.3	1225.7	1213.8	1075.9
35°	1028.2	1033.3	1023.1	1012.9	987.3	982.2	1053.7	1181.4	1292.1	1305.7	1144.0
37.5°	1152.5	1166.1	1152.5	1098.0	1070.8	1050.3	1108.2	1237.6	1372.1	1418.0	1212.0
40°	1268.2	1266.5	1252.9	1203.5	1155.9	1140.6	1186.5	1315.9	1496.3	1540.6	1310.8
42.5°	1361.9	1356.7	1348.2	1310.8	1266.5	1241.0	1276.7	1397.6	1600.2	1685.3	1424.8
45°	1443.6	1436.8	1438.5	1395.9	1353.3	1367.0	1367.0	1491.2	1722.7	1828.3	1555.9
47.5°	1520.2	1523.6	1518.5	1486.1	1453.8	1489.5	1470.8	1598.5	1843.6	1961.1	1666.6
50°	1608.7	1615.5	1598.5	1578.0	1549.1	1584.9	1561.0	1698.9	1921.9	2081.9	1799.3
52.5°	1692.1	1698.9	1714.2	1688.7	1659.8	1688.7	1634.2	1792.5	2025.8	2199.4	1901.5
55°	1712.5	1709.1	1794.2	1821.5	1836.8	1750.0	1698.9	1872.5	2107.5	2274.3	2017.2
57.5°	1618.9	1627.4	1743.2	1821.5	1984.9	1910.0	1772.1	1966.2	2192.6	2373.0	2124.5
60°	1385.7	1390.8	1535.5	1721.0	1959.4	2059.8	1969.6	2087.0	2286.2	2456.4	2245.4
62.5°	926.1	965.2	1145.7	1436.8	1778.9	2100.7	2284.5	2291.3	2400.3	2562.0	2410.5
65°	488.6	507.3	648.6	883.5	1348.2	1959.4	2580.7	2696.5	2628.4	2756.1	2648.8
67.5°	320.0	326.8	403.4	536.2	778.0	1429.9	2614.8	3399.5	3086.3	3125.5	3030.1
70°	238.3	241.7	297.9	396.6	481.8	764.3	2143.2	3728.1	3726.4	3622.5	3482.9
72.5°	175.3	180.4	219.6	303.0	371.1	412.0	1205.2	3334.8	3922.1	3869.4	3510.2
75°	137.9	141.3	161.7	234.9	299.6	270.7	611.1	2470.1	3326.3	3580.0	3212.3
77.5°	112.4	115.8	127.7	170.2	240.0	209.4	292.8	1593.4	2255.6	2577.3	2458.1
80°	93.6	93.6	102.1	120.9	185.6	158.3	173.6	895.4	1215.5	1341.4	1115.0
82.5°	80.0	78.3	85.1	88.5	137.9	114.1	112.4	405.2	534.5	566.9	418.8
85°	51.1	52.8	80.0	76.6	90.2	78.3	63.0	192.4	251.9	257.0	156.6
87.5°	20.4	20.4	34.0	42.6	51.1	47.7	30.6	86.8	110.7	110.7	44.3
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°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	607.7	600.9	595.8	592.4	583.9	575.4	577.1	575.4	568.6	565.2	565.2
5°	614.5	607.7	599.2	585.6	577.1	566.9	570.3	563.5	556.7	561.8	553.3
7.5°	631.6	619.6	607.7	587.3	573.7	558.4	551.6	548.1	543.0	539.6	539.6
10°	655.4	638.4	616.2	585.6	563.5	539.6	536.2	529.4	524.3	524.3	522.6
12.5°	679.2	660.5	623.0	573.7	536.2	519.2	517.5	519.2	522.6	524.3	526.0
15°	709.9	679.2	621.3	551.6	514.1	507.3	515.8	522.6	529.4	536.2	534.5
17.5°	738.8	703.1	606.0	524.3	495.4	497.1	512.4	526.0	539.6	546.4	548.1
20°	778.0	725.2	583.9	492.0	476.6	492.0	512.4	529.4	544.7	553.3	555.0
22.5°	822.2	750.7	555.0	463.0	461.3	476.6	497.1	522.6	539.6	555.0	553.3
25°	861.4	767.7	517.5	439.2	442.6	452.8	476.6	503.9	520.9	537.9	532.8
27.5°	886.9	771.1	478.4	422.2	422.2	432.4	454.5	471.5	486.9	500.5	502.2
30°	915.8	764.3	434.1	400.0	400.0	413.7	422.2	432.4	440.9	444.3	447.7
32.5°	949.9	749.0	406.9	383.0	383.0	393.2	398.3	394.9	393.2	384.7	389.8
35°	982.2	726.9	376.2	360.9	367.7	372.8	371.1	360.9	350.7	335.4	330.2
37.5°	1021.4	704.8	349.0	337.1	349.0	350.7	350.7	338.8	325.1	306.4	306.4
40°	1081.0	687.7	326.8	321.7	333.7	332.0	323.4	314.9	320.0	309.8	309.8
42.5°	1144.0	680.9	306.4	308.1	313.2	314.9	306.4	296.2	316.6	304.7	306.4
45°	1222.3	686.0	292.8	291.1	303.0	301.3	296.2	287.7	294.5	263.9	255.3
47.5°	1295.5	696.2	286.0	279.2	292.8	296.2	289.4	270.7	260.5	241.7	238.3
50°	1361.9	718.4	279.2	265.6	279.2	286.0	274.1	253.6	241.7	229.8	229.8
52.5°	1424.8	750.7	275.8	250.2	262.2	270.7	263.9	243.4	229.8	224.7	219.6
55°	1489.5	779.7	270.7	240.0	243.4	260.5	258.8	231.5	217.9	217.9	216.2
57.5°	1581.5	818.8	263.9	223.0	229.8	248.5	248.5	226.4	211.1	212.8	214.5
60°	1675.1	864.8	257.0	206.0	211.1	236.6	240.0	219.6	206.0	207.7	206.0
62.5°	1824.9	949.9	243.4	185.6	195.8	221.3	229.8	211.1	199.2	202.6	202.6
65°	2051.3	1096.3	214.5	168.5	180.4	207.7	219.6	202.6	189.0	199.2	195.8
67.5°	2415.6	1297.2	180.4	154.9	170.2	194.1	207.7	192.4	180.4	195.8	190.7
70°	2742.4	1395.9	154.9	143.0	154.9	178.7	194.1	182.1	170.2	185.6	178.7
72.5°	2609.7	1094.6	134.5	129.4	141.3	161.7	180.4	168.5	156.6	165.1	158.3
75°	2252.2	871.6	117.5	115.8	126.0	146.4	165.1	156.6	144.7	148.1	144.7
77.5°	1707.4	720.1	100.4	98.7	107.2	131.1	148.1	141.3	129.4	127.7	127.7
80°	762.6	354.1	83.4	83.4	88.5	112.4	126.0	122.6	110.7	108.9	107.2
82.5°	250.2	134.5	68.1	64.7	71.5	93.6	112.4	108.9	97.0	93.6	90.2
85°	100.4	64.7	49.4	49.4	56.2	78.3	100.4	93.6	78.3	69.8	69.8
87.5°	34.0	27.2	25.5	25.5	35.7	52.8	74.9	63.0	56.2	49.4	51.1
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)