

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: P675434

Luminaire Tested: **CCW-SA-1C-760-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675434
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-760-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

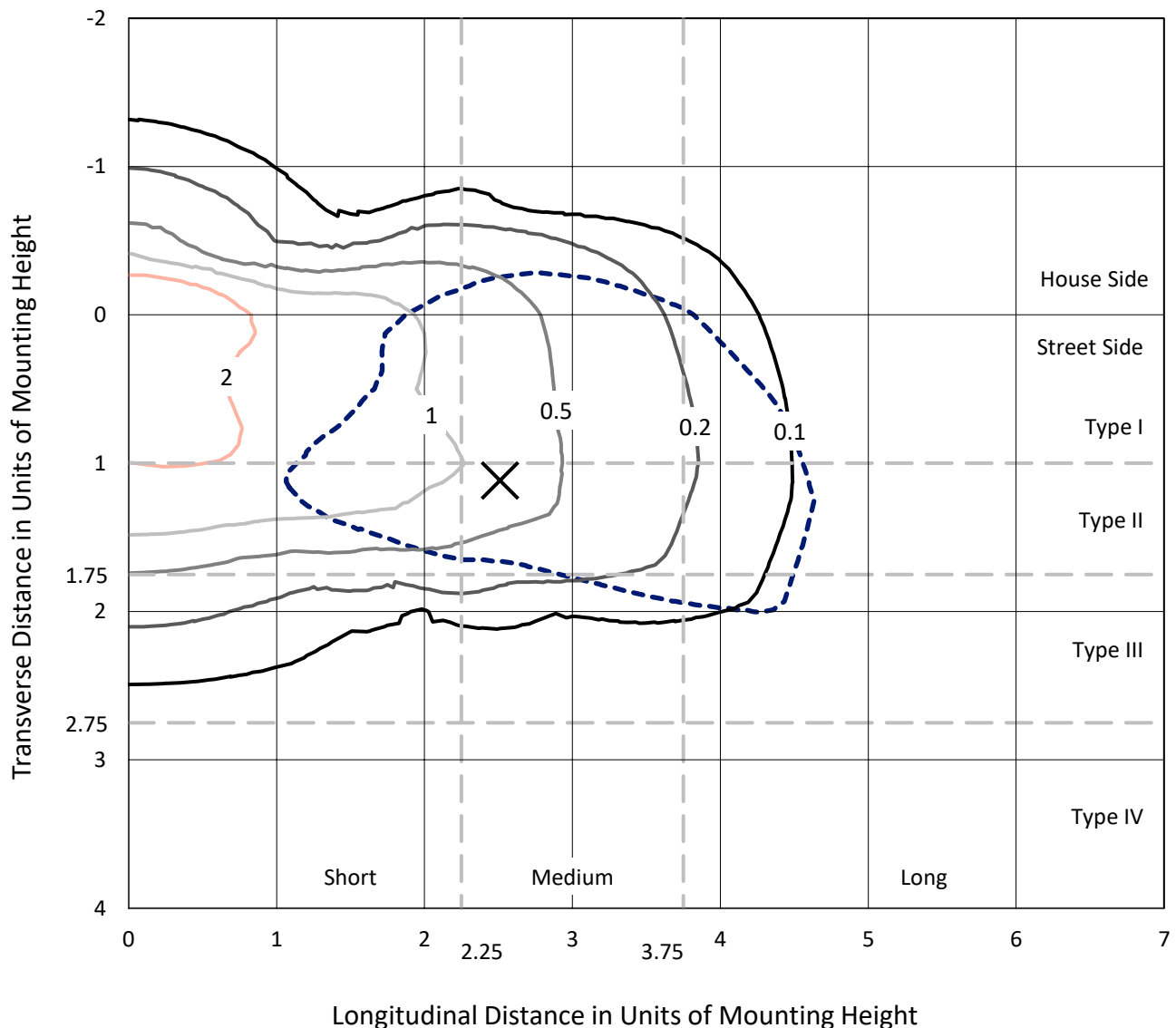
Lumens per Lamp: N/A
Luminaire Lumens: 4577.1 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

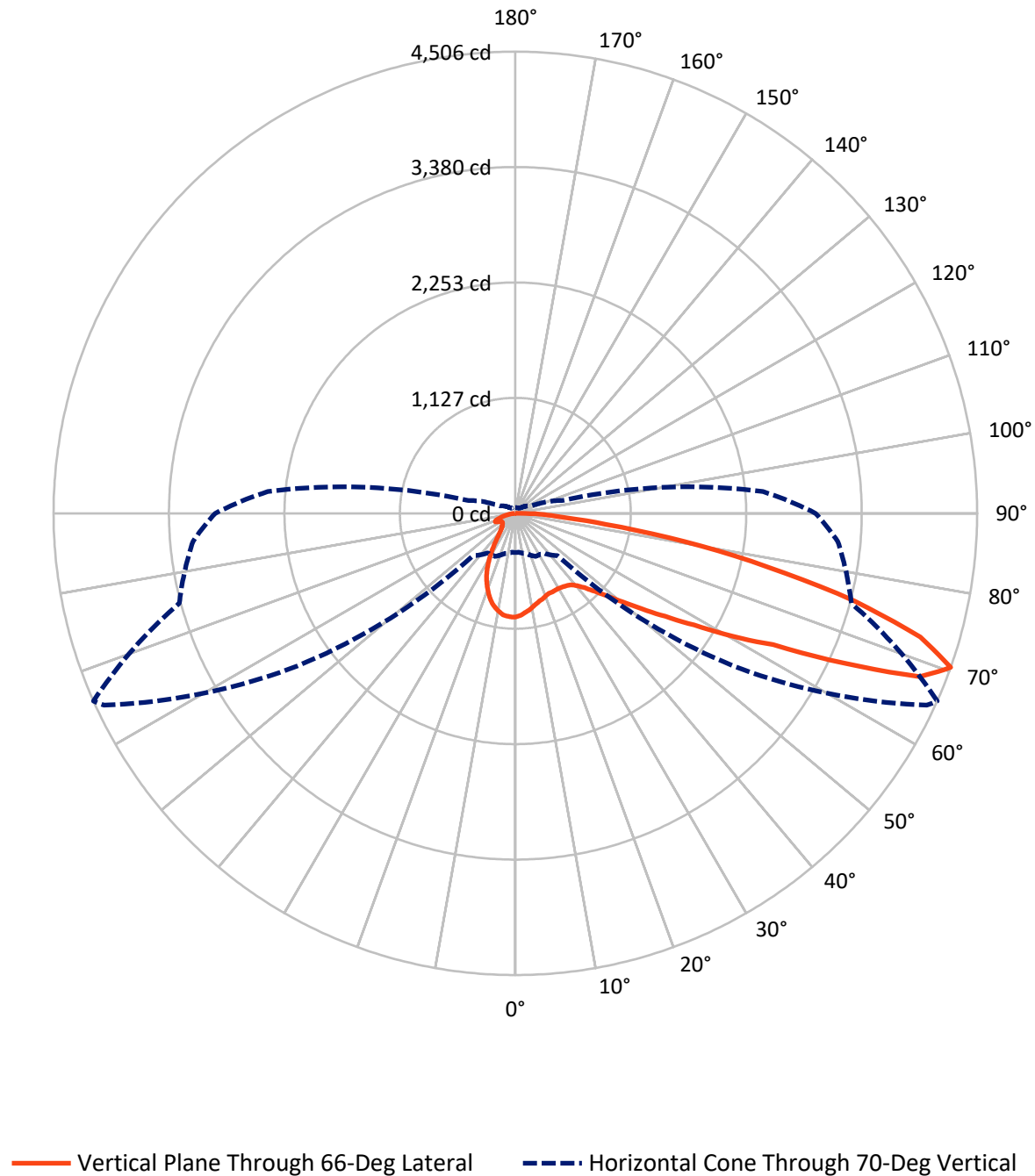
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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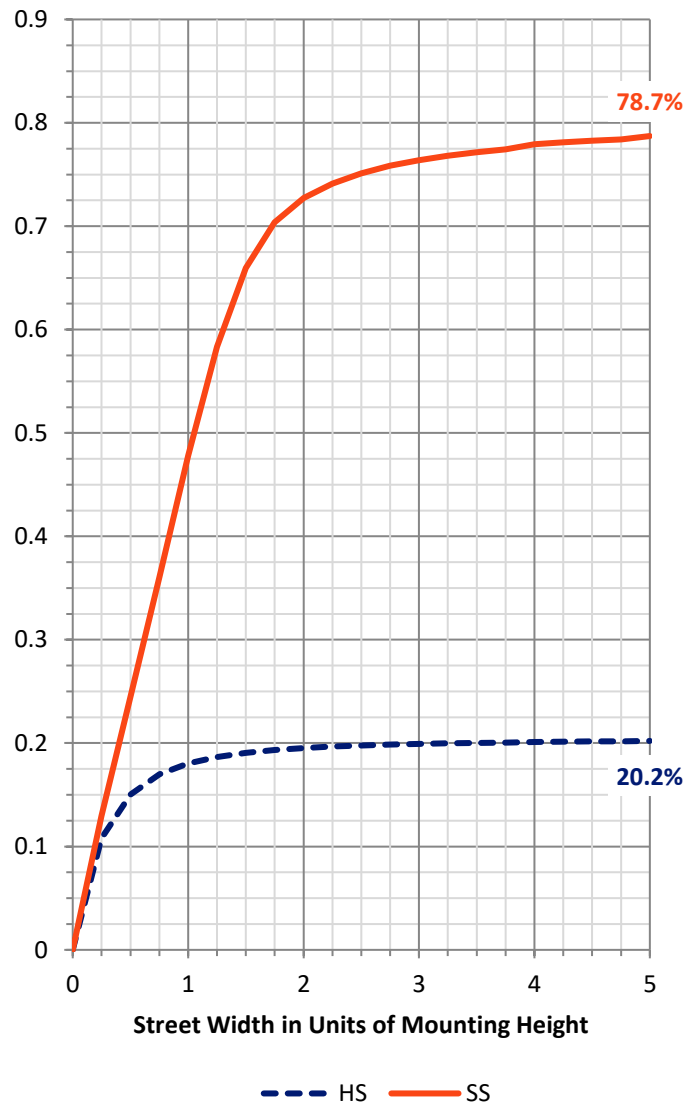
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	936.9	0.0	936.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3640.2	0.0	3640.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	4577.1	0.0	4577.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	2.0
10°-20°	220.1	4.8
20°-30°	302.3	6.6
30°-40°	405.3	8.9
40°-50°	588.1	12.8
50°-60°	893.9	19.5
60°-70°	1104.0	24.1
70°-80°	821.0	17.9
80°-90°	153.1	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°	4577.1	100.0
0°-180°	4577.1	100.0

Coefficient of Utilization



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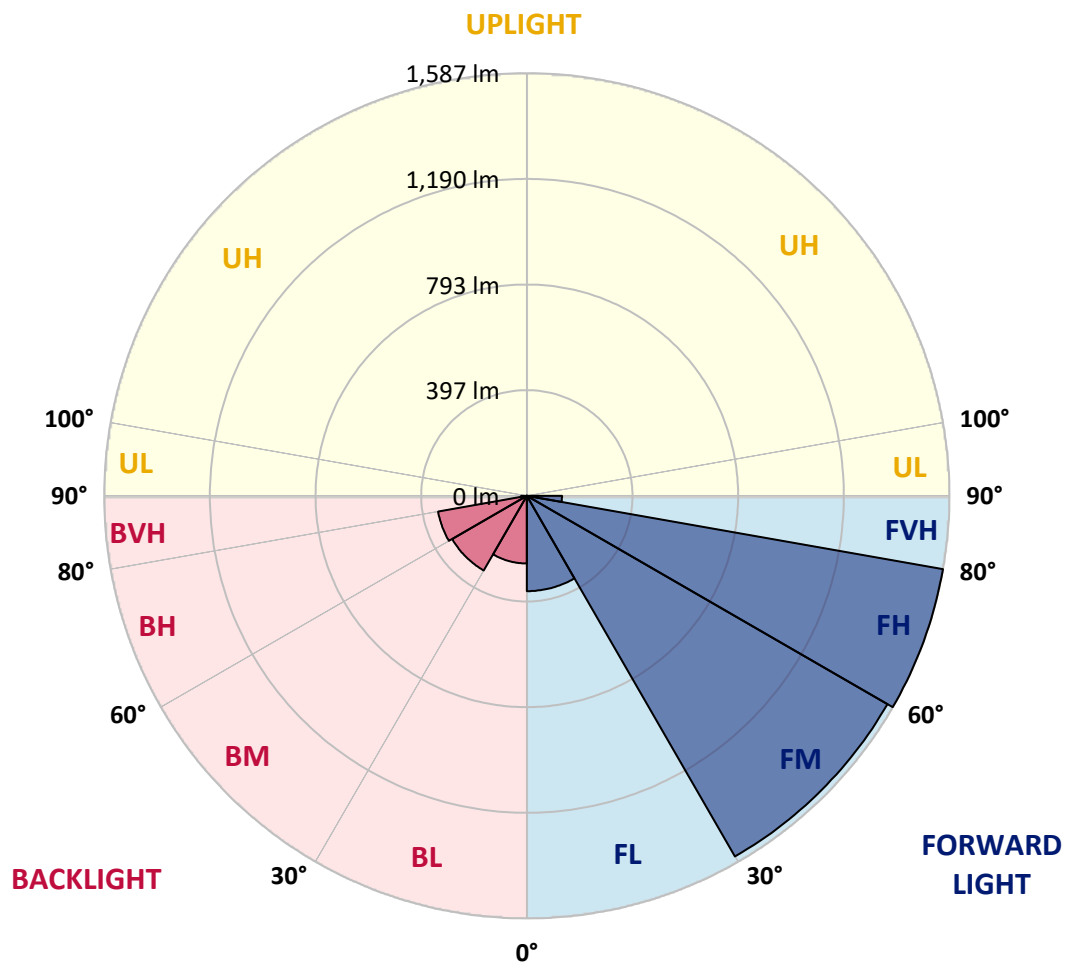
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	357.9	7.8			
FM	(30°-60°)	1563.6	34.2			
FH	(60°-80°)	1586.7	34.7			G1/1800
FVH	(80°-90°)	132.0	2.9			G2/225
BL	(0°-30°)	253.9	5.5	B1/500		
BM	(30°-60°)	323.6	7.1	B1/1000		
BH	(60°-80°)	338.2	7.4	B1/500		G1/500
BVH	(80°-90°)	21.1	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°	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2
2.5°	961.9	967.0	968.7	972.1	980.6	987.4	997.6	1002.7	997.6	1004.4	1004.4
5°	895.5	888.7	905.7	912.5	922.7	936.3	960.2	978.9	973.8	994.2	1011.2
7.5°	839.3	839.3	844.4	859.7	871.6	892.1	917.6	946.5	955.0	982.3	1007.8
10°	788.2	795.0	795.0	818.9	825.7	849.5	892.1	927.8	929.5	975.5	1011.2
12.5°	761.0	757.6	774.6	781.4	801.8	825.7	859.7	904.0	905.7	955.0	1004.4
15°	738.8	742.2	750.8	767.8	786.5	805.2	837.6	878.4	887.0	944.8	1001.0
17.5°	740.5	742.2	742.2	754.2	769.5	791.6	822.3	869.9	875.0	931.2	995.9
20°	750.8	743.9	749.1	754.2	764.4	784.8	810.3	851.2	856.3	929.5	1007.8
22.5°	772.9	767.8	766.1	764.4	762.7	774.6	806.9	841.0	846.1	921.0	1012.9
25°	808.6	806.9	795.0	783.1	774.6	774.6	800.1	849.5	847.8	921.0	1016.3
27.5°	851.2	851.2	849.5	827.4	801.8	788.2	805.2	846.1	844.4	921.0	1024.8
30°	909.1	909.1	904.0	883.5	837.6	798.4	808.6	842.7	847.8	914.2	1018.0
32.5°	972.1	970.4	975.5	956.7	909.1	846.1	829.1	849.5	854.6	921.0	1019.7
35°	1018.0	1028.3	1045.3	1028.3	980.6	895.5	858.0	863.1	866.5	922.7	1026.5
37.5°	1070.8	1082.7	1106.6	1120.2	1069.1	970.4	904.0	885.2	885.2	944.8	1028.3
40°	1147.4	1135.5	1176.4	1200.2	1179.8	1062.3	975.5	926.1	927.8	973.8	1050.4
42.5°	1203.6	1215.5	1258.1	1300.6	1275.1	1174.7	1053.8	992.5	992.5	1016.3	1084.4
45°	1266.6	1280.2	1339.8	1390.9	1409.6	1309.1	1161.0	1087.8	1084.4	1099.8	1145.7
47.5°	1336.4	1355.1	1423.2	1482.8	1532.2	1448.7	1298.9	1203.6	1201.9	1213.8	1247.9
50°	1416.4	1423.2	1479.4	1588.3	1687.1	1634.3	1467.5	1367.0	1358.5	1363.6	1409.6
52.5°	1440.2	1435.1	1499.8	1617.3	1797.7	1860.7	1697.3	1552.6	1549.2	1537.3	1596.9
55°	1353.4	1370.4	1433.4	1583.2	1888.0	2128.0	1949.2	1806.2	1775.6	1743.3	1814.8
57.5°	1179.8	1181.5	1253.0	1430.0	1818.2	2349.3	2376.6	2054.8	2056.5	1969.7	2051.4
60°	917.6	912.5	968.7	1128.7	1619.0	2417.4	2843.0	2451.5	2434.4	2196.1	2271.0
62.5°	662.2	652.0	663.9	757.6	1210.4	2313.6	3301.0	2895.8	2824.3	2427.6	2485.5
65°	544.8	549.9	555.0	560.1	679.3	1908.4	3442.3	3621.0	3525.7	2698.3	2722.1
67.5°	451.1	454.5	476.7	507.3	503.9	1127.0	3278.8	4291.8	4256.0	3033.7	2926.4
70°	383.0	381.3	406.9	463.1	471.6	585.6	2596.2	4429.6	4506.3	3394.6	3158.0
72.5°	306.4	309.8	332.0	406.9	463.1	493.7	1494.7	4133.4	4131.7	3672.1	3033.7
75°	219.6	219.6	250.3	337.1	447.7	488.6	827.4	3355.4	3418.4	3450.8	2631.9
77.5°	144.7	151.5	175.3	252.0	420.5	478.4	524.3	2439.5	2517.9	2580.8	2013.9
80°	98.7	102.1	117.5	175.3	355.8	481.8	429.0	1641.1	1671.8	1424.9	817.2
82.5°	59.6	61.3	78.3	122.6	255.4	457.9	403.5	905.7	887.0	430.7	234.9
85°	32.3	34.0	49.4	81.7	168.5	400.1	396.7	444.3	413.7	158.3	98.7
87.5°	11.9	11.9	22.1	40.9	97.0	274.1	345.6	263.9	246.8	80.0	46.0
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°	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2	1011.2
2.5°	1012.9	1012.9	1012.9	1012.9	1011.2	1004.4	1009.5	1007.8	997.6	999.3	992.5
5°	1009.5	1018.0	1012.9	1006.1	997.6	977.2	970.4	965.3	951.6	946.5	951.6
7.5°	1018.0	1011.2	1007.8	995.9	961.9	943.1	919.3	890.4	869.9	864.8	869.9
10°	1016.3	1016.3	1001.0	967.0	934.6	880.1	849.5	798.4	769.5	761.0	762.7
12.5°	1009.5	1014.6	990.8	936.3	875.0	808.6	752.5	698.0	646.9	626.5	623.1
15°	1016.3	1011.2	968.7	898.9	813.7	721.8	640.1	560.1	512.4	481.8	475.0
17.5°	1006.1	1001.0	939.7	847.8	733.7	616.3	514.1	427.3	379.6	367.7	367.7
20°	1018.0	985.7	905.7	786.5	650.3	500.5	384.7	320.1	308.1	308.1	311.5
22.5°	1016.3	982.3	876.7	726.9	549.9	377.9	286.0	267.3	269.0	282.6	280.9
25°	1006.1	975.5	835.9	660.5	444.3	284.3	236.6	231.5	243.4	258.8	257.1
27.5°	1004.4	956.7	798.4	582.2	338.8	224.7	206.0	206.0	217.9	231.5	229.8
30°	994.2	941.4	752.5	493.7	255.4	195.8	189.0	189.0	194.1	200.9	200.9
32.5°	992.5	921.0	701.4	401.8	204.3	177.0	173.6	175.3	175.3	178.8	177.0
35°	978.9	893.8	648.6	311.5	177.0	166.8	163.4	161.7	161.7	160.0	160.0
37.5°	973.8	876.7	594.1	241.7	165.1	158.3	154.9	149.8	148.1	148.1	146.4
40°	978.9	859.7	541.4	195.8	154.9	151.5	146.4	139.6	137.9	137.9	137.9
42.5°	997.6	858.0	486.9	170.2	149.8	144.7	137.9	131.1	129.4	131.1	129.4
45°	1040.2	871.6	434.1	158.3	143.0	137.9	129.4	124.3	122.6	124.3	124.3
47.5°	1110.0	909.1	386.4	151.5	137.9	131.1	122.6	117.5	117.5	117.5	117.5
50°	1225.7	980.6	340.5	146.4	134.5	126.0	117.5	110.7	109.0	109.0	110.7
52.5°	1399.4	1103.2	303.0	143.0	129.4	119.2	110.7	105.5	102.1	100.4	102.1
55°	1608.8	1281.9	291.1	139.6	122.6	114.1	105.5	98.7	95.3	95.3	93.6
57.5°	1833.5	1479.4	311.5	136.2	117.5	107.3	98.7	91.9	88.5	86.8	86.8
60°	2076.9	1712.6	386.4	134.5	112.4	100.4	91.9	86.8	81.7	80.0	80.0
62.5°	2298.2	1923.7	520.9	132.8	109.0	93.6	85.1	78.3	74.9	73.2	73.2
65°	2550.2	2158.6	652.0	139.6	107.3	88.5	78.3	71.5	68.1	66.4	66.4
67.5°	2769.8	2362.9	728.6	156.6	112.4	81.7	69.8	64.7	63.0	61.3	61.3
70°	2929.8	2425.9	488.6	171.9	120.9	76.6	63.0	59.6	56.2	56.2	56.2
72.5°	2715.3	2165.5	289.4	161.7	114.1	71.5	56.2	52.8	51.1	51.1	49.4
75°	2322.1	1843.7	223.0	131.1	91.9	61.3	49.4	46.0	44.3	44.3	42.6
77.5°	1714.3	1321.1	165.1	103.8	71.5	49.4	42.6	40.9	39.2	37.5	37.5
80°	670.7	578.8	112.4	76.6	52.8	39.2	35.8	34.0	32.3	30.6	30.6
82.5°	207.7	175.3	64.7	51.1	37.5	30.6	28.9	27.2	25.5	23.8	23.8
85°	90.2	86.8	42.6	32.3	25.5	20.4	20.4	18.7	17.0	15.3	15.3
87.5°	44.3	42.6	23.8	15.3	13.6	10.2	10.2	8.5	6.8	6.8	6.8
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)