

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: P670788

Luminaire Tested: **CCP-SA-2B-727-U-T3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670788
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-727-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5835.6 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

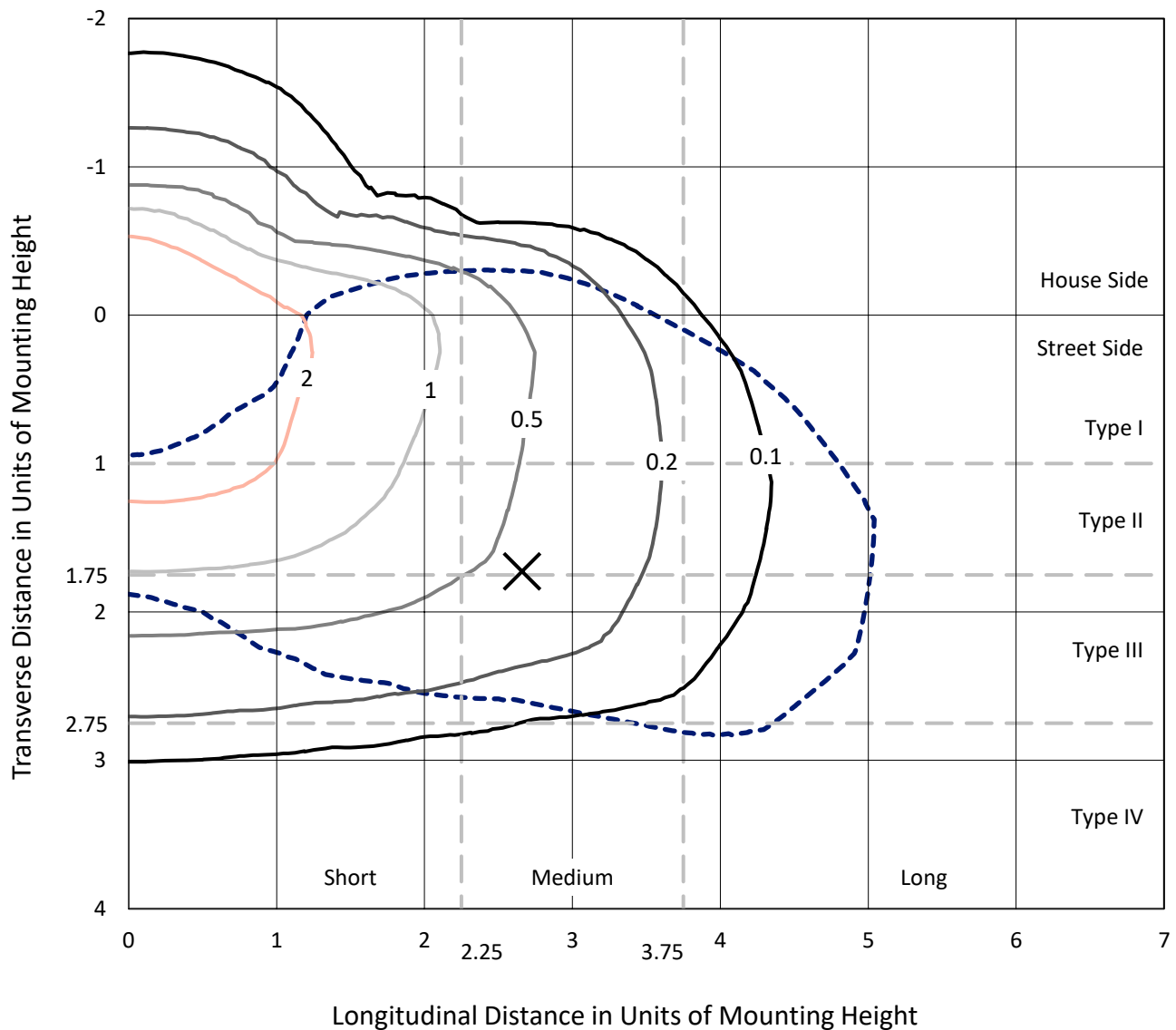
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

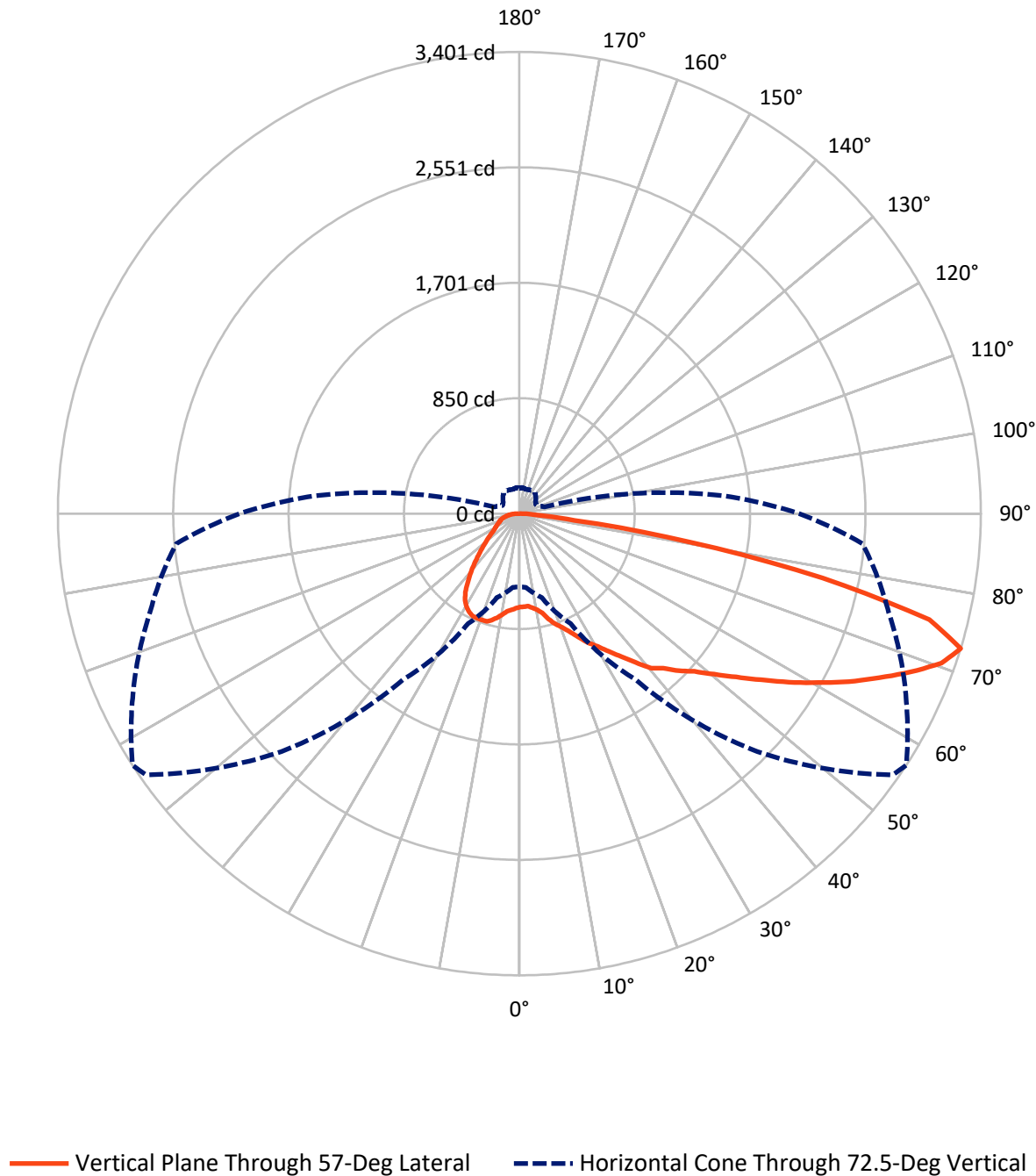
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 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	1362.8	0.0	1362.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4472.8	0.0	4472.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	5835.6	0.0	5835.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	1.2
10°-20°	230.4	3.9
20°-30°	421.2	7.2
30°-40°	618.0	10.6
40°-50°	850.9	14.6
50°-60°	1166.8	20.0
60°-70°	1406.5	24.1
70°-80°	936.9	16.1
80°-90°	136.5	2.3
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°	5835.6	100.0
0°-180°	5835.6	100.0

Coefficient of Utilization



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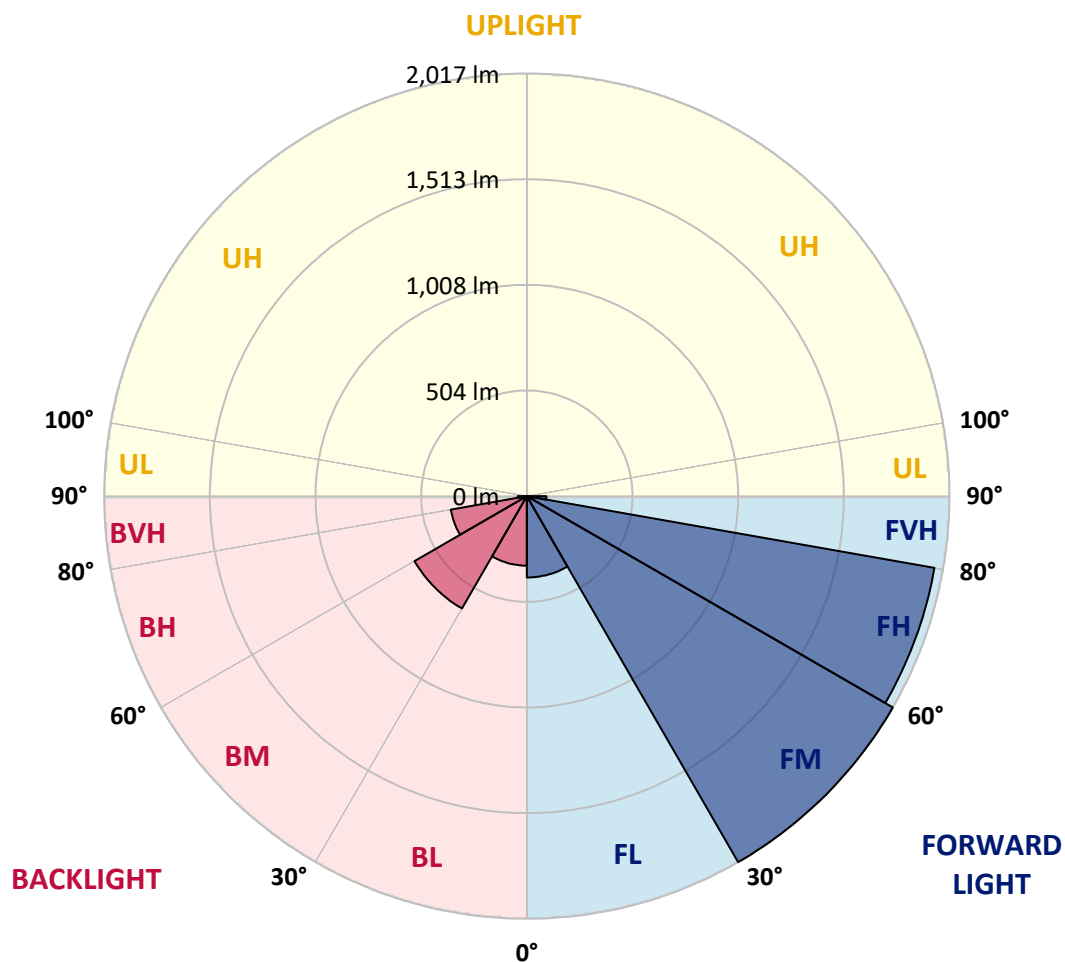
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.2	6.7			
FM	(30°-60°)	2016.7	34.6			
FH	(60°-80°)	1975.0	33.8			G2/5000
FVH	(80°-90°)	92.9	1.6			G1/100
BL	(0°-30°)	331.8	5.7	B1/500		
BM	(30°-60°)	619.0	10.6	B1/1000		
BH	(60°-80°)	368.5	6.3	B1/500		G1/500
BVH	(80°-90°)	43.5	0.7			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°	57°	65°	75°	85°
0°	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8
2.5°	676.0	678.2	682.4	680.3	680.3	673.9	684.5	686.7	682.4	684.5	688.8
5°	676.0	680.3	686.7	682.4	684.5	682.4	678.2	684.5	684.5	686.7	693.0
7.5°	712.2	710.1	710.1	703.7	701.5	699.4	701.5	701.5	697.3	699.4	699.4
10°	752.6	752.6	748.3	748.3	744.1	733.4	722.8	720.7	714.3	716.4	716.4
12.5°	795.1	799.3	803.6	790.8	786.6	769.6	763.2	750.4	750.4	746.2	744.1
15°	848.2	841.9	846.1	841.9	831.2	814.2	803.6	805.7	790.8	786.6	780.2
17.5°	895.0	897.1	890.8	886.5	867.4	854.6	856.7	854.6	835.5	829.1	818.5
20°	950.3	948.2	948.2	935.4	918.4	901.4	895.0	892.9	897.1	884.4	858.9
22.5°	1007.7	999.2	999.2	988.5	965.2	954.5	950.3	941.8	946.0	935.4	897.1
25°	1054.4	1054.4	1069.3	1048.1	1035.3	1014.1	1005.5	1007.7	1009.8	988.5	943.9
27.5°	1116.1	1105.5	1120.3	1109.7	1103.3	1080.0	1069.3	1075.7	1071.5	1048.1	986.4
30°	1194.8	1196.9	1188.4	1173.5	1165.0	1148.0	1141.6	1135.2	1141.6	1111.8	1033.2
32.5°	1292.5	1298.9	1277.7	1260.7	1245.8	1228.8	1216.0	1209.6	1216.0	1171.4	1069.3
35°	1405.2	1411.6	1394.6	1375.5	1358.4	1315.9	1305.3	1294.7	1271.3	1199.0	1103.3
37.5°	1509.4	1500.9	1496.6	1496.6	1464.7	1403.1	1396.7	1390.3	1345.7	1254.3	1150.1
40°	1579.5	1590.2	1585.9	1581.7	1577.4	1520.0	1507.3	1496.6	1422.2	1337.2	1216.0
42.5°	1658.2	1651.8	1668.8	1675.2	1660.3	1643.3	1592.3	1556.2	1490.3	1422.2	1313.8
45°	1751.7	1747.5	1753.9	1777.3	1756.0	1762.4	1677.3	1651.8	1568.9	1528.5	1437.1
47.5°	1834.7	1845.3	1877.2	1883.5	1866.5	1896.3	1777.3	1736.9	1683.7	1651.8	1564.7
50°	1870.8	1883.5	1955.8	2000.5	2002.6	2049.4	1877.2	1860.2	1787.9	1800.6	1724.1
52.5°	1841.0	1881.4	1968.6	2085.5	2157.8	2204.6	2009.0	2000.5	1934.6	1975.0	1898.4
55°	1868.7	1906.9	1964.3	2128.0	2310.9	2321.5	2191.8	2159.9	2094.0	2149.3	2079.1
57.5°	1881.4	1860.2	1968.6	2174.8	2423.5	2451.2	2366.1	2342.7	2291.7	2344.9	2304.5
60°	1781.5	1807.0	1909.1	2162.0	2429.9	2589.3	2561.7	2527.7	2480.9	2529.8	2506.4
62.5°	1668.8	1685.8	1796.4	2085.5	2466.0	2689.3	2750.9	2725.4	2659.5	2702.0	2742.4
65°	1526.4	1528.5	1651.8	1949.4	2395.9	2746.7	2916.7	2914.6	2867.8	2857.2	2921.0
67.5°	1352.1	1369.1	1466.9	1804.9	2300.2	2810.4	3080.4	3112.3	3018.8	2935.9	2959.3
70°	1037.4	1054.4	1148.0	1479.6	2104.6	2791.3	3282.4	3299.4	3116.6	2906.1	2846.6
72.5°	540.0	544.2	639.9	892.9	1492.4	2478.8	3356.8	3401.4	3142.1	2818.9	2538.3
75°	178.6	178.6	219.0	340.1	703.7	1585.9	3040.0	3120.8	3016.6	2602.1	2077.0
77.5°	106.3	108.4	129.7	170.1	280.6	633.5	2142.9	2285.3	2468.2	2213.1	1517.9
80°	76.5	78.7	97.8	116.9	167.9	204.1	1075.7	1273.4	1515.8	1424.4	810.0
82.5°	57.4	57.4	76.5	87.2	114.8	121.2	299.8	410.3	654.8	510.2	223.2
85°	59.5	59.5	59.5	61.7	78.7	70.2	125.4	133.9	191.3	167.9	61.7
87.5°	21.3	23.4	59.5	40.4	40.4	29.8	48.9	53.1	68.0	70.2	23.4
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°	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8
2.5°	690.9	690.9	693.0	693.0	697.3	701.5	707.9	703.7	703.7	705.8	703.7
5°	688.8	690.9	697.3	707.9	712.2	714.3	727.1	727.1	727.1	731.3	731.3
7.5°	697.3	701.5	712.2	722.8	724.9	731.3	748.3	752.6	763.2	767.4	769.6
10°	718.6	724.9	733.4	746.2	754.7	763.2	776.0	790.8	788.7	801.5	803.6
12.5°	750.4	748.3	763.2	776.0	784.5	797.2	801.5	801.5	801.5	801.5	805.7
15°	776.0	780.2	793.0	801.5	812.1	810.0	801.5	793.0	795.1	793.0	793.0
17.5°	814.2	814.2	824.8	827.0	831.2	810.0	797.2	797.2	803.6	803.6	799.3
20°	852.5	850.4	854.6	852.5	824.8	799.3	797.2	799.3	801.5	799.3	797.2
22.5°	888.6	884.4	878.0	869.5	820.6	797.2	793.0	782.3	771.7	771.7	765.3
25°	920.5	916.3	899.3	873.7	818.5	784.5	763.2	737.7	724.9	718.6	727.1
27.5°	950.3	941.8	918.4	873.7	799.3	750.4	710.1	678.2	667.5	659.0	667.5
30°	990.7	975.8	943.9	867.4	769.6	697.3	642.0	603.8	593.1	580.4	584.6
32.5°	1026.8	992.8	965.2	848.2	731.3	637.8	574.0	535.7	516.6	506.0	514.5
35°	1065.1	1031.1	973.7	818.5	671.8	565.5	501.7	465.6	450.7	435.8	435.8
37.5°	1103.3	1084.2	986.4	763.2	599.5	497.5	440.1	412.4	386.9	359.3	359.3
40°	1184.1	1158.6	1001.3	699.4	527.2	431.6	391.2	355.0	329.5	291.2	289.1
42.5°	1269.2	1213.9	1001.3	622.9	463.4	384.8	346.5	308.3	261.5	238.1	240.2
45°	1377.6	1313.8	973.7	554.9	399.7	346.5	304.0	255.1	233.8	219.0	219.0
47.5°	1513.6	1413.7	939.6	480.5	348.6	312.5	259.4	229.6	214.7	202.0	199.8
50°	1675.2	1505.1	897.1	416.7	306.1	280.6	236.0	212.6	199.8	191.3	191.3
52.5°	1845.3	1639.1	867.4	359.3	272.1	238.1	219.0	204.1	193.5	187.1	185.0
55°	2017.5	1773.0	846.1	297.6	240.2	219.0	214.7	202.0	197.7	191.3	187.1
57.5°	2210.9	1883.5	841.9	255.1	214.7	210.5	219.0	208.3	202.0	195.6	189.2
60°	2419.3	2032.4	803.6	221.1	202.0	206.2	212.6	202.0	197.7	191.3	187.1
62.5°	2625.5	2142.9	699.4	195.6	189.2	193.5	202.0	193.5	187.1	189.2	191.3
65°	2710.5	2151.4	542.1	176.4	174.3	176.4	189.2	187.1	180.7	193.5	193.5
67.5°	2625.5	2074.9	382.7	159.4	159.4	170.1	191.3	195.6	189.2	206.2	204.1
70°	2432.0	1885.7	259.4	148.8	153.1	180.7	197.7	193.5	185.0	206.2	202.0
72.5°	2064.2	1509.4	189.2	138.2	144.6	172.2	195.6	191.3	185.0	193.5	185.0
75°	1549.8	1073.6	148.8	125.4	127.6	155.2	202.0	191.3	174.3	170.1	163.7
77.5°	1035.3	663.3	114.8	110.5	110.5	136.1	193.5	178.6	157.3	150.9	148.8
80°	493.2	265.7	91.4	93.5	95.7	116.9	176.4	159.4	142.4	133.9	133.9
82.5°	157.3	99.9	76.5	76.5	76.5	95.7	146.7	133.9	123.3	116.9	106.3
85°	55.3	55.3	65.9	68.0	61.7	70.2	121.2	114.8	102.0	85.0	82.9
87.5°	21.3	31.9	44.6	53.1	38.3	48.9	87.2	80.8	74.4	55.3	53.1
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)