

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: P676433

Luminaire Tested: **CCW-SA-1E-750-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676433
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-750-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

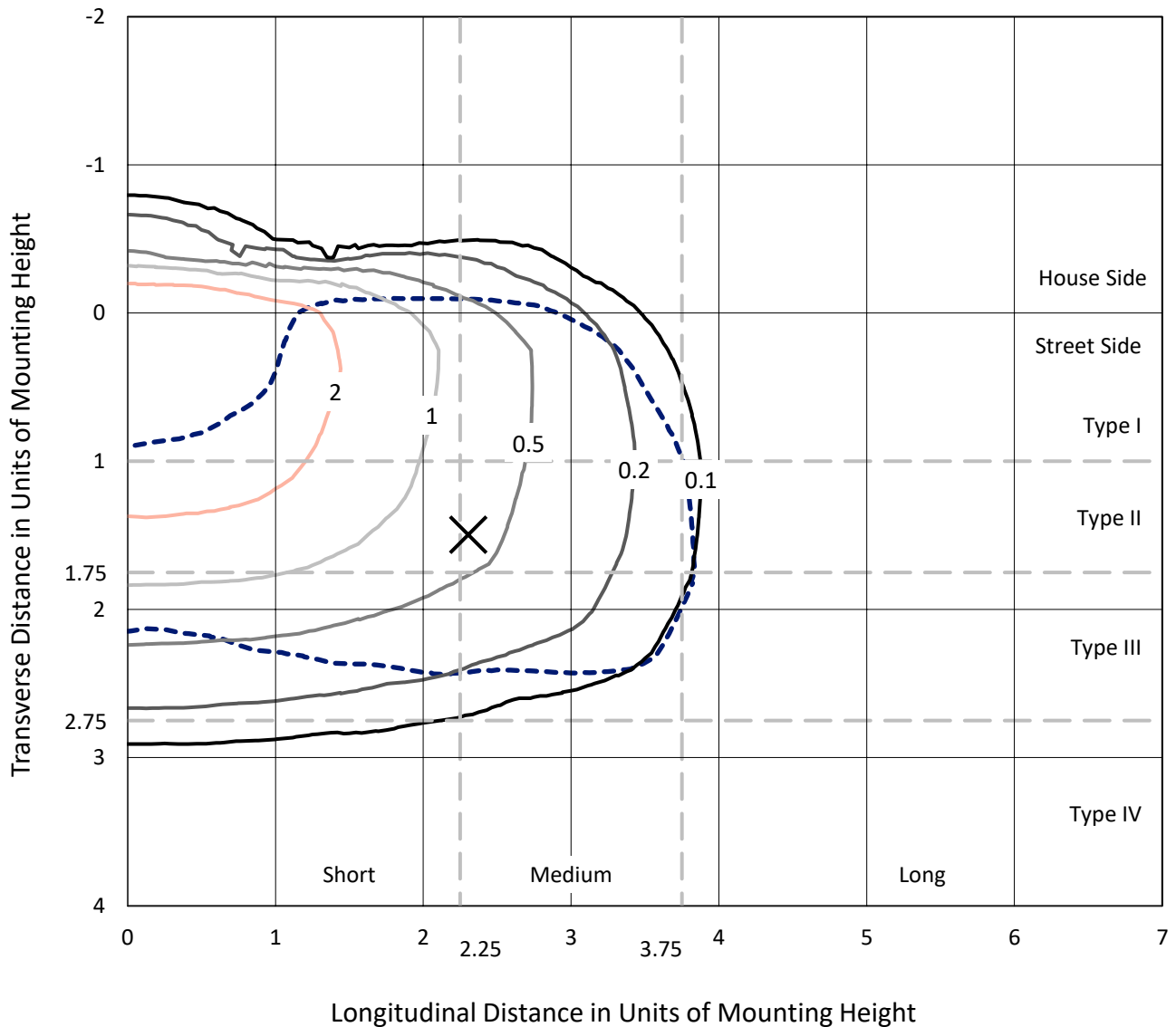
Lumens per Lamp: N/A
Luminaire Lumens: 5038.3 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

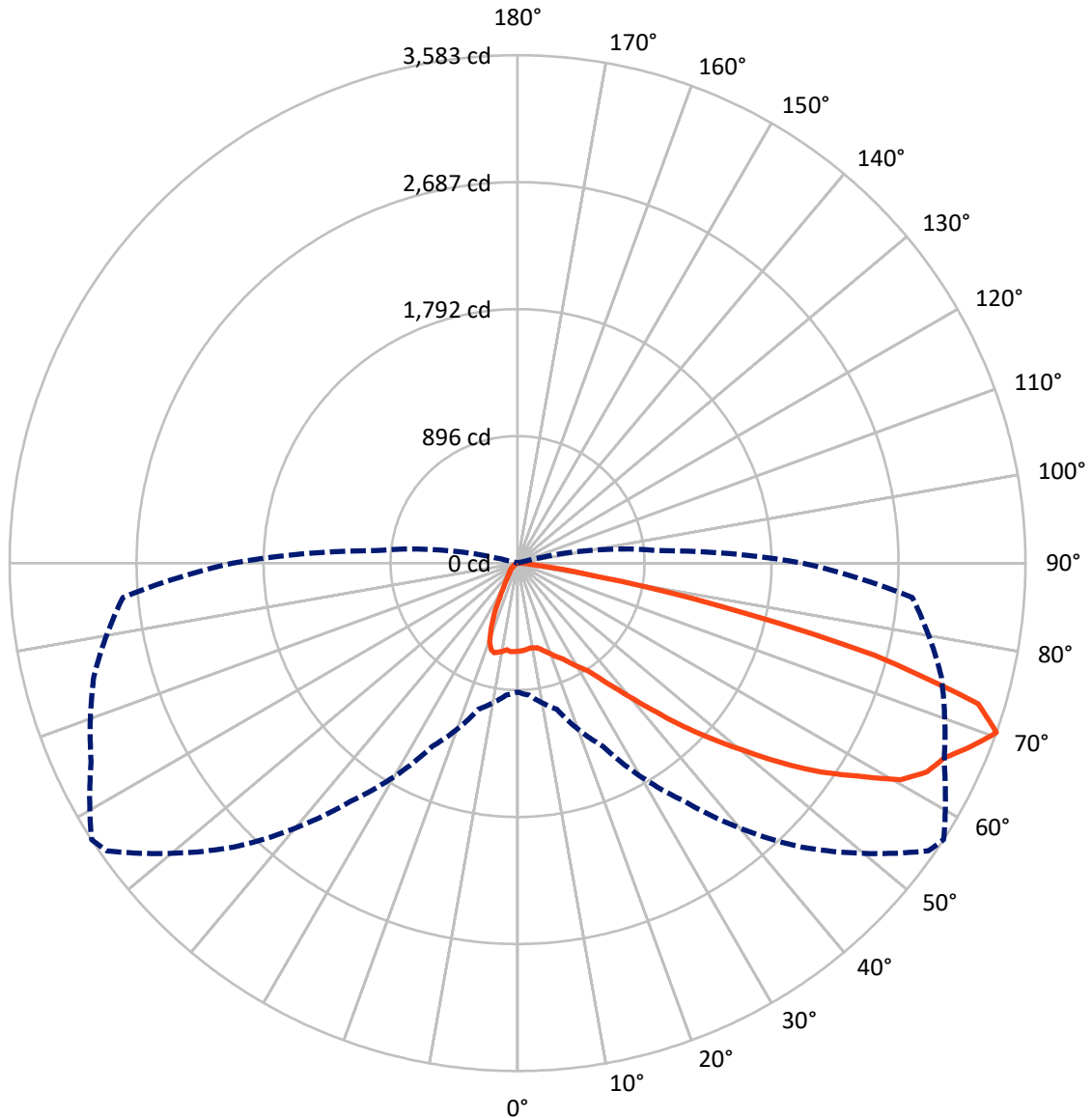
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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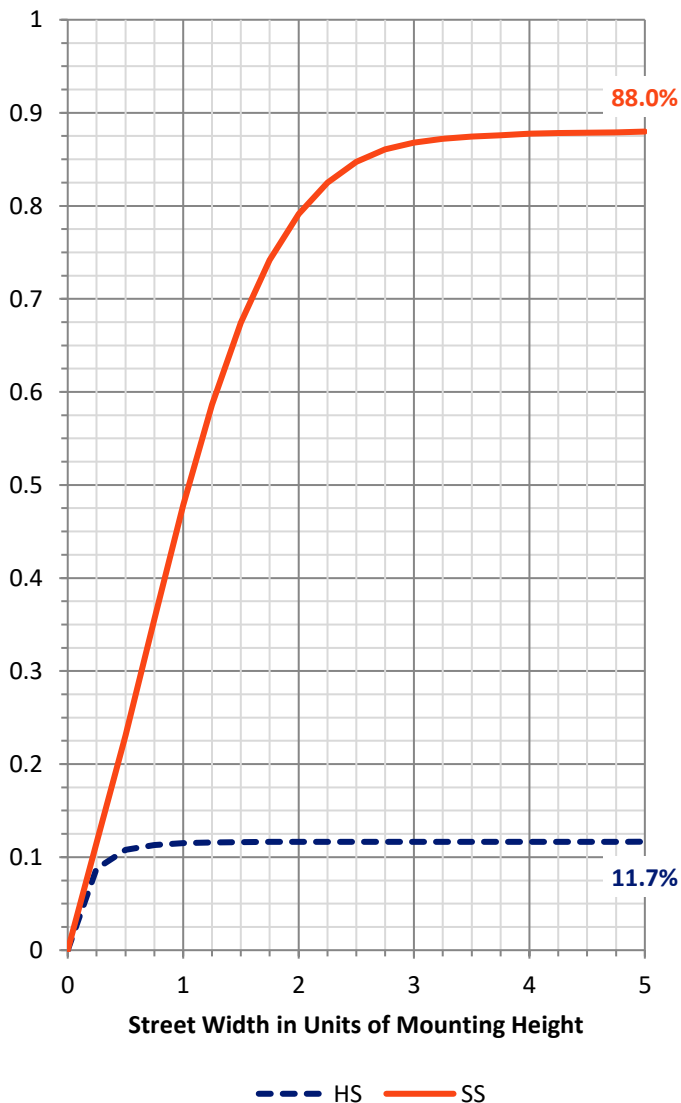
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.9	0.0	593.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4444.4	0.0	4444.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	5038.3	0.0	5038.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.2
10°-20°	162.4	3.2
20°-30°	273.6	5.4
30°-40°	468.2	9.3
40°-50°	786.2	15.6
50°-60°	1206.9	24.0
60°-70°	1393.4	27.7
70°-80°	658.2	13.1
80°-90°	31.2	0.6
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°	5038.3	100.0
0°-180°	5038.3	100.0



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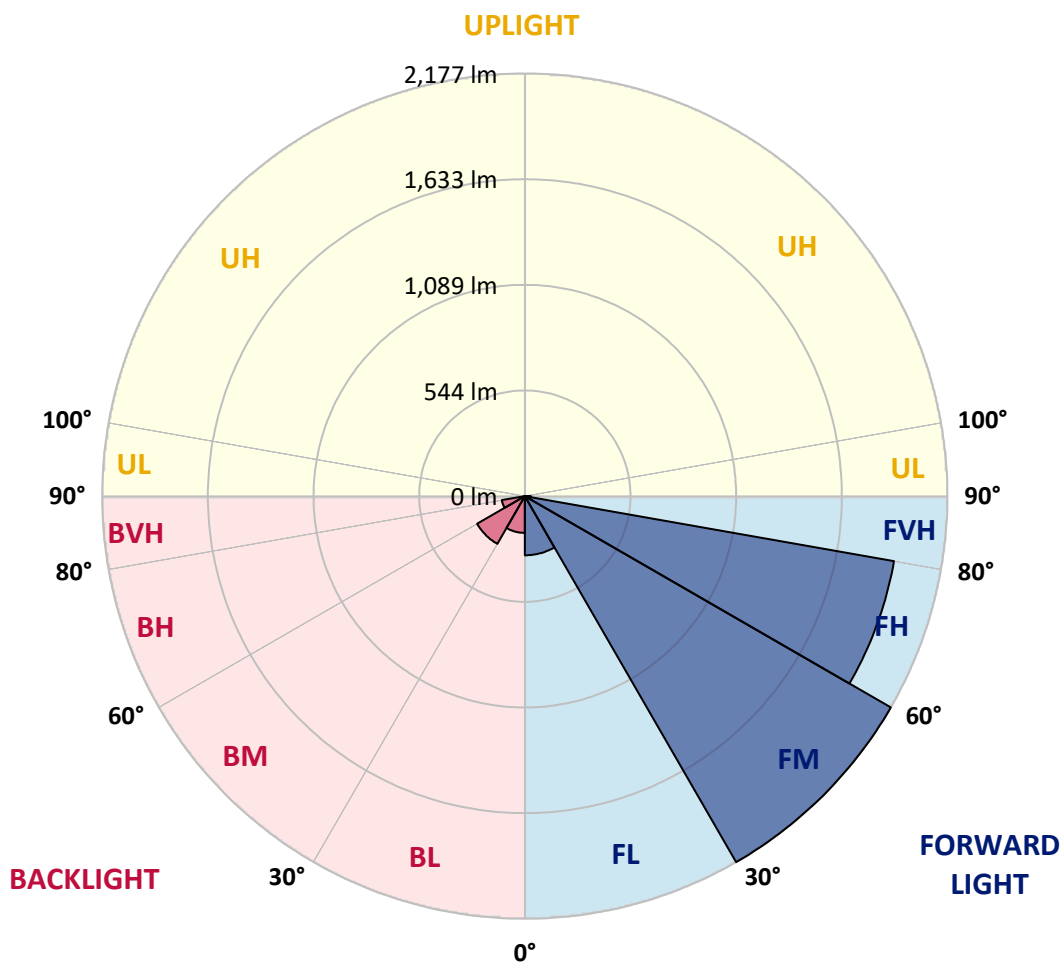
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.8	6.0			
FM (30°-60°)	2177.5	43.2			
FH (60°-80°)	1931.5	38.3			G2/5000
FVH (80°-90°)	30.7	0.6			G1/100
BL (0°-30°)	189.3	3.8	B1/500		
BM (30°-60°)	283.9	5.6	B1/1000		
BH (60°-80°)	120.1	2.4	B1/500		G1/500
BVH (80°-90°)	0.6	0.0			G0/10
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°	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7
2.5°	612.6	608.8	612.6	617.8	612.6	616.5	615.2	619.1	613.9	613.9	617.8
5°	572.7	579.2	581.8	588.2	594.6	606.2	613.9	613.9	621.7	625.5	630.7
7.5°	558.6	548.3	558.6	563.7	570.2	589.5	601.1	606.2	616.5	630.7	638.4
10°	538.0	545.7	545.7	562.5	571.5	583.0	603.6	607.5	630.7	644.8	652.5
12.5°	536.7	536.7	543.1	554.7	572.7	594.6	620.4	612.6	637.1	662.8	675.7
15°	540.6	549.6	549.6	565.0	579.2	610.1	632.0	633.2	668.0	693.7	705.3
17.5°	557.3	553.4	558.6	567.6	589.5	619.1	655.1	659.0	698.9	733.6	750.4
20°	592.1	598.5	590.8	585.6	594.6	633.2	679.6	687.3	732.3	765.8	782.5
22.5°	722.0	716.9	686.0	650.0	634.5	652.5	702.7	720.8	773.5	813.4	827.6
25°	868.8	859.8	823.7	769.7	698.9	691.2	749.1	749.1	825.0	868.8	864.9
27.5°	1007.8	1005.2	962.7	906.1	805.7	750.4	786.4	800.6	882.9	919.0	902.2
30°	1149.4	1151.9	1113.3	1045.1	939.6	845.6	839.2	850.8	926.7	983.3	948.6
32.5°	1314.1	1290.9	1263.9	1169.9	1073.4	967.9	907.4	902.2	975.6	1027.1	980.8
35°	1460.8	1446.7	1417.1	1332.1	1221.4	1095.3	1010.4	997.5	1037.4	1105.6	1055.4
37.5°	1589.5	1575.4	1536.8	1480.1	1393.9	1253.6	1133.9	1114.6	1131.3	1203.4	1142.9
40°	1700.2	1704.1	1693.8	1638.4	1558.6	1431.2	1293.5	1262.6	1248.5	1312.8	1244.6
42.5°	1780.0	1817.3	1819.9	1751.7	1687.4	1617.9	1463.4	1438.9	1405.5	1459.5	1411.9
45°	1947.3	1926.7	1939.6	1915.2	1844.4	1834.1	1659.0	1644.9	1598.5	1616.6	1566.4
47.5°	2078.6	2074.8	2099.2	2059.3	2040.0	2041.3	1881.7	1857.2	1791.6	1825.1	1768.4
50°	2154.6	2134.0	2222.8	2253.7	2249.8	2265.2	2106.9	2086.3	2023.3	2072.2	1951.2
52.5°	2172.6	2209.9	2293.6	2405.5	2453.2	2485.3	2352.8	2345.0	2276.8	2307.7	2140.4
55°	2217.6	2253.7	2302.6	2486.6	2663.0	2670.7	2594.7	2602.5	2542.0	2534.2	2320.6
57.5°	2216.3	2208.6	2343.8	2557.4	2802.0	2912.6	2871.5	2834.1	2768.5	2692.6	2436.4
60°	2135.3	2131.4	2271.7	2566.4	2877.9	3131.5	3148.2	3104.4	2939.7	2827.7	2572.9
62.5°	1974.4	1989.8	2131.4	2489.2	2950.0	3210.0	3271.7	3242.1	3037.5	2917.8	2733.7
65°	1790.3	1758.1	1922.9	2296.1	2787.8	3186.8	3320.7	3310.4	3153.3	3015.6	2881.8
67.5°	1436.4	1450.5	1576.7	1975.7	2511.1	3101.8	3435.2	3450.6	3246.0	3101.8	2926.8
70°	910.0	935.7	1067.0	1427.4	2050.3	2834.1	3538.2	3583.2	3319.4	3094.1	2795.5
72.5°	265.1	275.4	454.3	711.8	1306.4	2273.0	3373.4	3396.6	3176.5	2808.4	2162.3
75°	87.5	92.7	133.9	231.7	512.3	1175.1	2491.8	2601.2	2527.8	2036.2	1236.9
77.5°	57.9	60.5	73.4	110.7	194.3	368.1	1336.0	1453.1	1424.8	953.7	399.0
80°	42.5	43.8	54.1	74.7	118.4	132.6	492.9	570.2	550.9	218.8	79.8
82.5°	27.0	27.0	39.9	52.8	74.7	65.6	142.9	158.3	154.4	83.7	30.9
85°	18.0	19.3	29.6	41.2	41.2	30.9	41.2	47.6	51.5	45.0	14.2
87.5°	5.1	6.4	16.7	28.3	16.7	15.4	14.2	15.4	18.0	24.5	7.7
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°	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7
2.5°	621.7	626.8	625.5	628.1	624.2	620.4	624.2	624.2	624.2	620.4	617.8
5°	626.8	624.2	626.8	621.7	626.8	621.7	619.1	611.4	610.1	610.1	615.2
7.5°	634.5	637.1	625.5	625.5	613.9	616.5	610.1	611.4	608.8	604.9	602.4
10°	646.1	656.4	644.8	641.0	628.1	617.8	602.4	594.6	594.6	589.5	594.6
12.5°	678.3	674.4	668.0	655.1	639.7	619.1	581.8	544.4	513.5	490.4	502.0
15°	704.0	702.7	693.7	669.3	648.7	585.6	491.7	395.1	343.6	320.5	316.6
17.5°	743.9	740.1	724.6	692.4	624.2	485.2	337.2	256.1	205.9	194.3	190.5
20°	781.3	780.0	746.5	705.3	562.5	353.9	220.1	168.6	154.4	155.7	153.2
22.5°	821.2	814.7	774.8	689.9	447.9	235.5	157.0	150.6	145.4	144.2	146.7
25°	866.2	843.0	803.1	655.1	329.5	162.2	148.0	142.9	137.7	136.4	136.4
27.5°	884.2	868.8	816.0	571.5	208.5	141.6	139.0	132.6	126.1	122.3	121.0
30°	925.4	899.7	828.9	449.2	148.0	130.0	126.1	118.4	109.4	103.0	103.0
32.5°	966.6	935.7	830.2	314.0	123.6	117.1	110.7	100.4	88.8	82.4	83.7
35°	1018.1	975.6	816.0	203.4	110.7	103.0	90.1	78.5	68.2	63.1	63.1
37.5°	1105.6	1065.7	758.1	133.9	100.4	87.5	74.7	61.8	52.8	48.9	48.9
40°	1216.3	1164.8	678.3	105.5	88.8	74.7	59.2	47.6	42.5	38.6	38.6
42.5°	1348.9	1284.5	559.9	94.0	78.5	61.8	46.3	37.3	32.2	32.2	30.9
45°	1481.4	1375.9	438.9	86.2	69.5	51.5	36.0	29.6	27.0	25.7	25.7
47.5°	1670.6	1486.6	314.0	78.5	60.5	39.9	29.6	24.5	21.9	20.6	21.9
50°	1852.1	1590.8	222.7	70.8	50.2	32.2	24.5	21.9	19.3	18.0	18.0
52.5°	2011.7	1662.9	155.7	61.8	42.5	27.0	21.9	19.3	18.0	16.7	16.7
55°	2099.2	1638.4	106.8	52.8	34.8	23.2	19.3	16.7	15.4	14.2	14.2
57.5°	2189.3	1570.2	81.1	43.8	28.3	21.9	18.0	15.4	14.2	12.9	12.9
60°	2265.2	1520.0	63.1	34.8	23.2	18.0	15.4	12.9	11.6	10.3	9.0
62.5°	2269.1	1419.6	46.3	25.7	18.0	15.4	12.9	10.3	6.4	5.1	3.9
65°	2284.6	1314.1	33.5	19.3	12.9	11.6	9.0	5.1	2.6	0.0	0.0
67.5°	2230.5	1189.3	27.0	14.2	9.0	6.4	3.9	1.3	0.0	0.0	0.0
70°	2010.4	1003.9	20.6	10.3	6.4	3.9	1.3	0.0	0.0	0.0	0.0
72.5°	1438.9	652.5	14.2	7.7	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	767.1	278.0	10.3	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	240.7	70.8	6.4	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	52.8	19.3	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.0	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.4	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)