

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: P676732

Luminaire Tested: **CCW-SA-1E-760-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676732
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-760-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

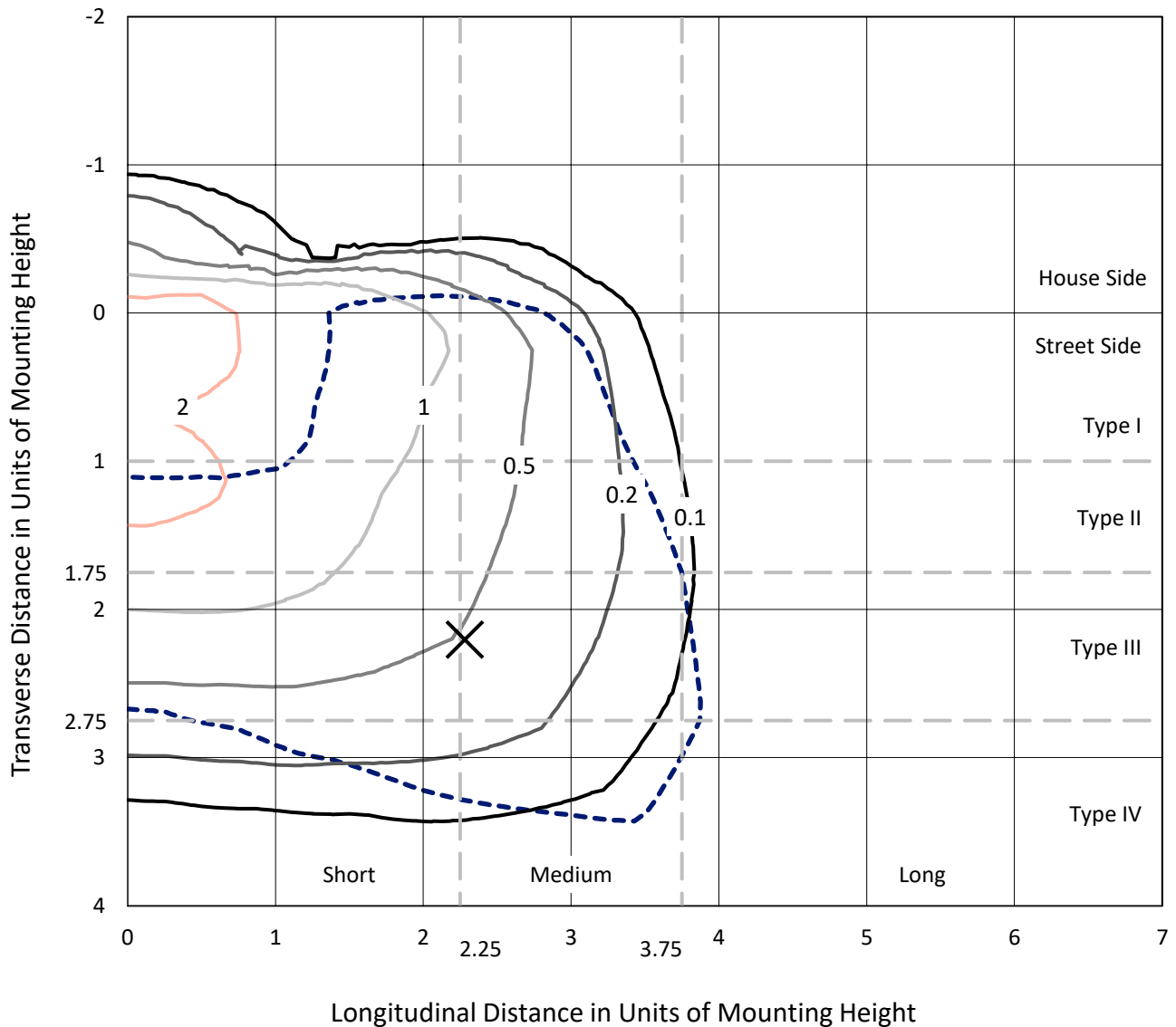
Lumens per Lamp: N/A
Luminaire Lumens: 5045.8 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

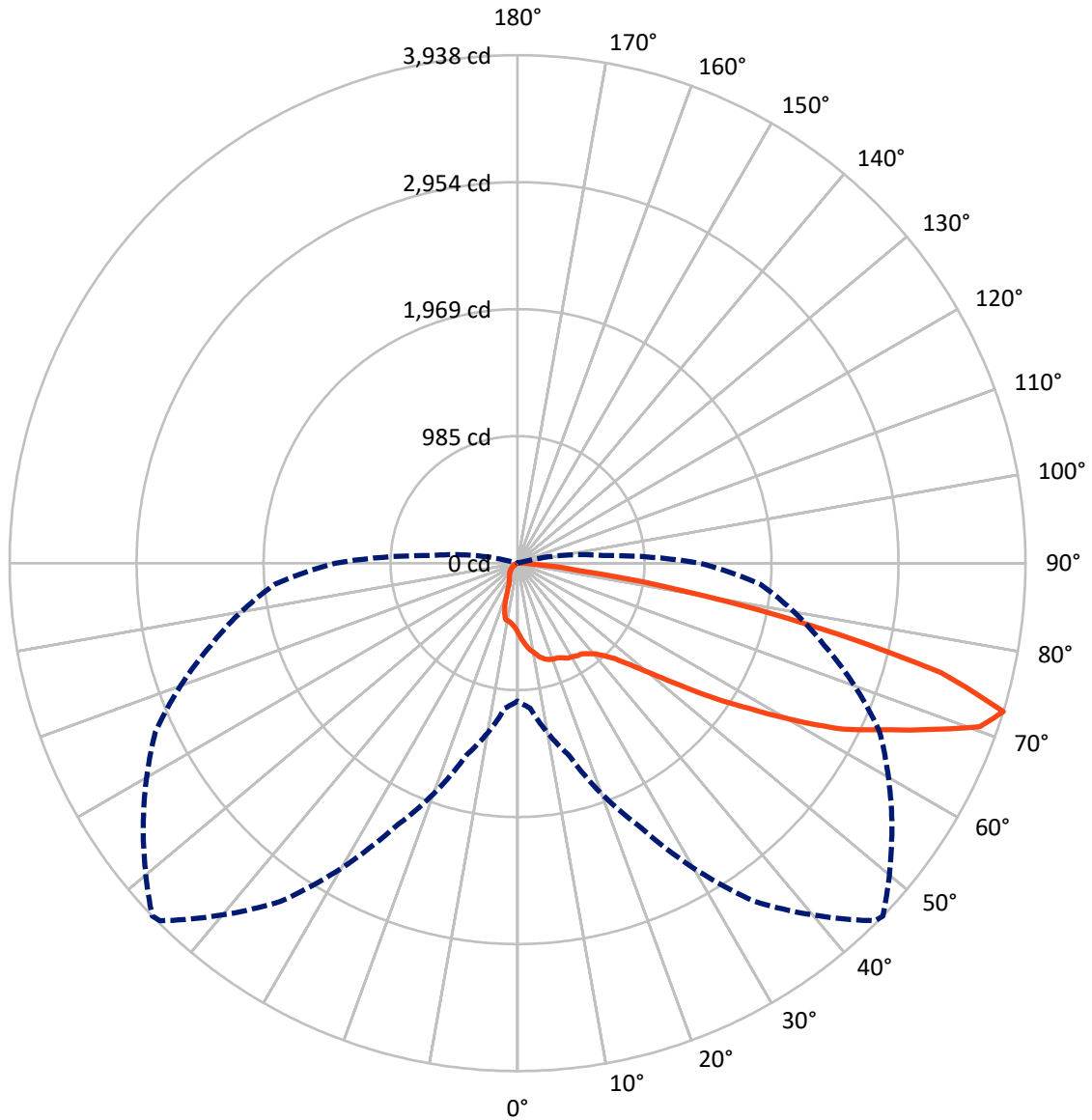
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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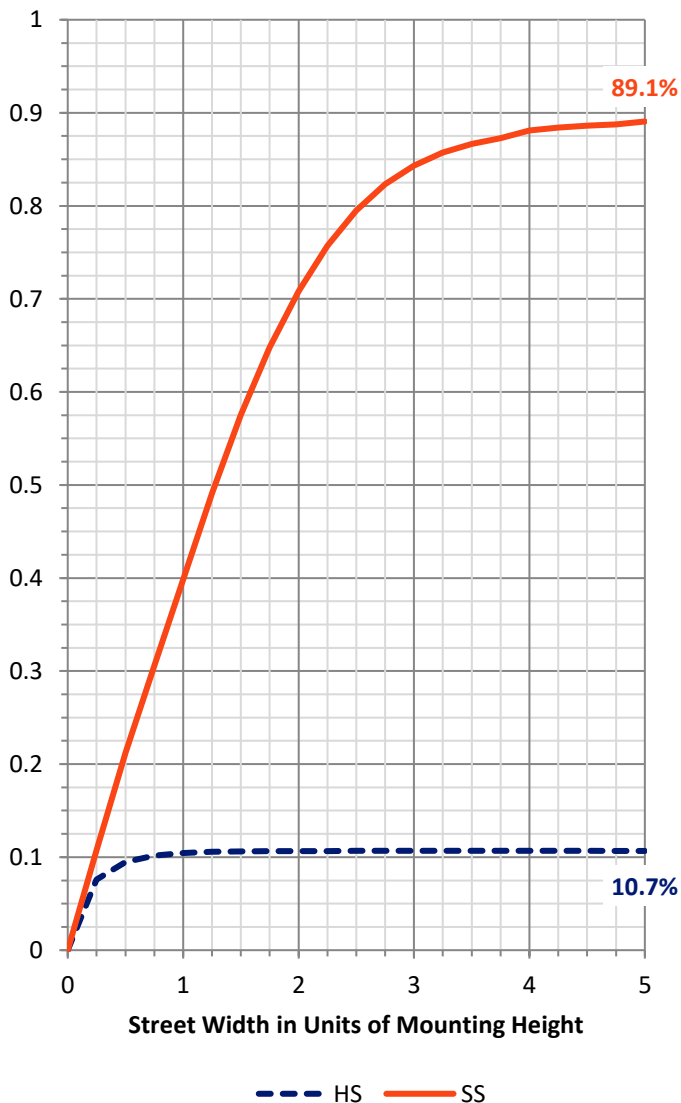
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	543.2	0.0	543.2
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4502.5	0.0	4502.5
	% Fixture	89.2	0.0	89.2
Total	Lumens	5045.8	0.0	5045.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.1
10°-20°	162.9	3.2
20°-30°	255.1	5.1
30°-40°	357.3	7.1
40°-50°	589.1	11.7
50°-60°	1058.9	21.0
60°-70°	1534.7	30.4
70°-80°	957.8	19.0
80°-90°	75.9	1.5
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°	5045.8	100.0
0°-180°	5045.8	100.0



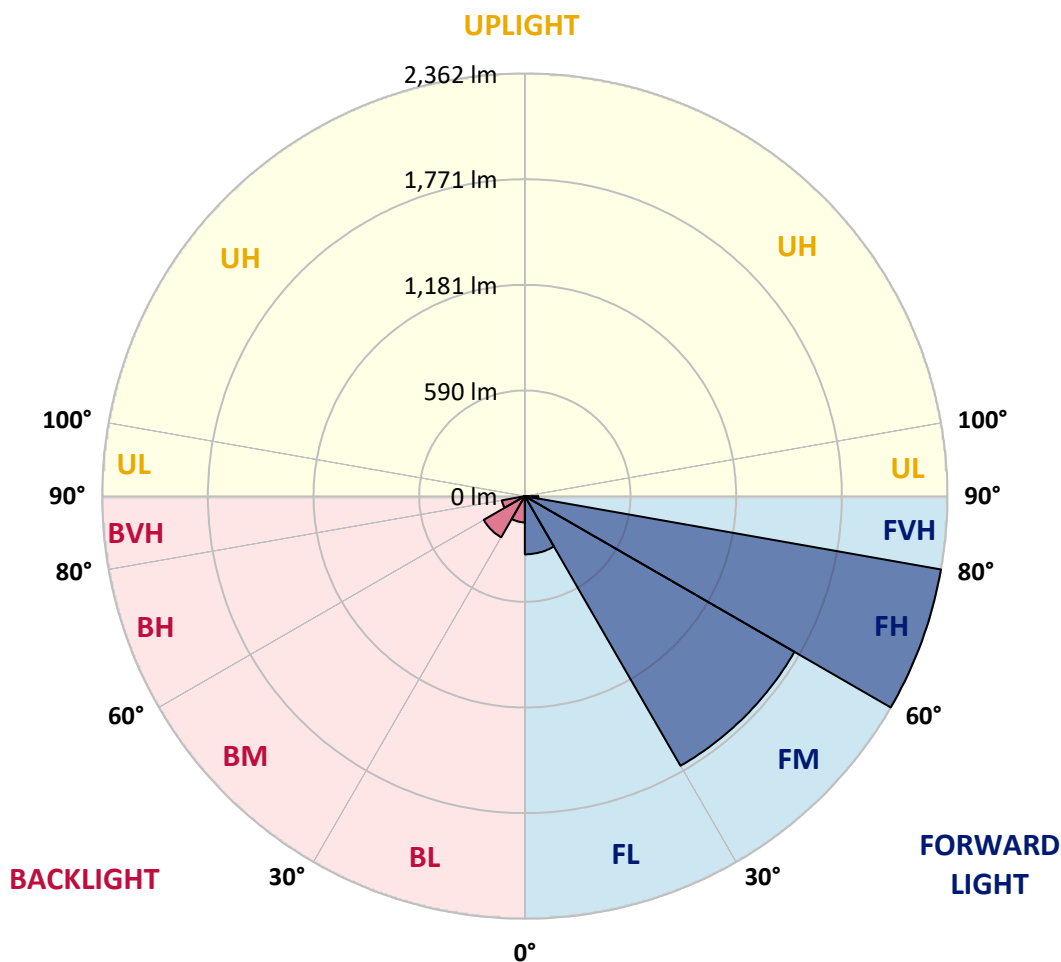
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.2	6.4			
FM (30°-60°)	1739.9	34.5			
FH (60°-80°)	2361.9	46.8			G2/5000
FVH (80°-90°)	75.5	1.5			G1/100
BL (0°-30°)	146.8	2.9	B1/500		
BM (30°-60°)	265.4	5.3	B1/1000		
BH (60°-80°)	130.6	2.6	B1/500		G1/500
BVH (80°-90°)	0.4	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3
2.5°	603.6	601.0	604.9	603.6	588.2	590.7	589.5	579.2	561.1	550.9	544.4
5°	673.1	679.6	674.4	662.8	653.8	635.8	633.2	616.5	588.2	570.2	550.9
7.5°	745.2	745.2	734.9	716.9	697.6	678.3	675.7	647.4	622.9	592.0	565.0
10°	799.2	792.8	785.1	765.8	743.9	718.2	705.3	684.7	657.7	620.4	585.6
12.5°	846.9	836.6	823.7	795.4	769.6	741.3	743.9	710.4	692.4	659.0	607.5
15°	873.9	864.9	853.3	827.6	787.7	774.8	769.6	749.1	716.9	683.4	634.5
17.5°	880.3	873.9	858.5	825.0	803.1	787.7	786.4	761.9	747.8	719.5	665.4
20°	867.5	855.9	844.3	822.4	801.8	796.7	792.8	792.8	774.8	737.5	684.7
22.5°	845.6	832.7	826.3	813.4	796.7	795.4	798.0	795.4	781.2	756.8	705.3
25°	828.8	822.4	812.1	808.3	798.0	817.3	813.4	809.5	805.7	777.4	737.5
27.5°	834.0	832.7	825.0	809.5	801.8	822.4	834.0	835.3	834.0	805.7	767.1
30°	836.6	830.1	822.4	818.6	821.1	841.7	841.7	870.0	858.5	830.1	796.7
32.5°	866.2	862.3	836.6	827.6	828.8	853.3	854.6	882.9	879.0	859.7	822.4
35°	929.2	903.5	866.2	840.4	840.4	872.6	862.3	903.5	913.8	882.9	840.4
37.5°	1023.2	1003.9	937.0	879.0	857.2	880.3	890.6	913.8	944.7	917.7	876.5
40°	1209.8	1206.0	1110.7	985.9	899.6	920.2	924.1	960.1	980.7	943.4	931.8
42.5°	1482.7	1463.4	1374.6	1177.6	976.9	967.8	982.0	1005.2	1054.1	1023.2	994.9
45°	1749.1	1740.1	1651.3	1431.2	1117.1	1063.1	1055.4	1096.6	1168.6	1135.2	1113.3
47.5°	1942.1	1924.1	1873.9	1688.6	1323.1	1175.1	1180.2	1221.4	1312.8	1287.0	1293.5
50°	2090.1	2081.1	2028.4	1926.7	1583.1	1351.4	1341.1	1382.3	1505.8	1522.6	1540.6
52.5°	2252.3	2269.0	2198.3	2112.0	1890.7	1588.2	1565.0	1579.2	1738.8	1777.4	1827.6
55°	2408.0	2435.1	2364.3	2352.7	2212.4	1850.8	1846.9	1813.4	2019.4	2024.5	2051.5
57.5°	2509.7	2500.7	2495.6	2558.6	2534.2	2151.9	2132.6	2099.2	2285.8	2252.3	2333.4
60°	2517.4	2543.2	2629.4	2785.1	2828.9	2505.9	2477.5	2386.2	2516.2	2436.4	2590.8
62.5°	2575.4	2595.9	2755.5	2970.5	3027.1	2817.3	2836.6	2605.0	2713.1	2650.0	2876.5
65°	2428.6	2493.0	2813.5	3114.6	3287.1	3132.6	3113.3	2886.8	2915.1	2855.9	3158.4
67.5°	2296.1	2320.5	2655.2	3158.4	3493.0	3449.3	3441.5	3136.5	3123.6	3014.2	3238.2
70°	1866.2	1895.8	2226.6	2934.4	3562.5	3818.6	3800.6	3486.6	3265.2	2928.0	2828.9
72.5°	1069.5	1128.7	1543.2	2260.0	3200.9	3921.6	3938.3	3543.2	3097.9	2462.1	1889.4
75°	350.1	366.8	640.9	1280.6	2393.9	3420.9	3391.3	3045.1	2499.4	1625.5	853.3
77.5°	118.4	121.0	189.2	463.3	1326.9	2311.5	2328.2	2176.4	1535.4	675.7	235.5
80°	60.5	64.4	92.7	173.7	545.7	1258.7	1285.7	1240.7	643.5	199.5	56.6
82.5°	28.3	29.6	54.1	96.5	249.7	494.2	494.2	543.1	227.8	112.0	23.2
85°	10.3	10.3	28.3	55.3	105.5	164.7	166.0	167.3	119.7	83.7	10.3
87.5°	3.9	3.9	14.2	23.2	38.6	50.2	50.2	39.9	60.5	55.3	3.9
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°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3
2.5°	541.8	534.1	527.7	518.7	507.1	500.7	501.9	494.2	494.2	490.4	489.1
5°	541.8	534.1	517.4	501.9	491.6	478.8	472.3	467.2	467.2	464.6	465.9
7.5°	545.7	534.1	511.0	490.4	473.6	460.8	450.5	449.2	446.6	440.2	445.3
10°	568.9	552.1	513.5	485.2	465.9	451.7	433.7	428.6	420.9	409.3	410.6
12.5°	588.2	566.3	531.5	492.9	468.5	445.3	404.1	359.1	339.8	319.2	320.5
15°	616.5	585.6	538.0	503.2	468.5	393.8	319.2	261.3	230.4	214.9	214.9
17.5°	631.9	606.2	556.0	509.7	431.2	320.5	226.5	176.3	171.2	173.7	173.7
20°	664.1	629.4	576.6	514.8	369.4	227.8	166.0	160.9	163.5	168.6	167.3
22.5°	684.7	650.0	592.0	491.6	285.7	163.5	155.7	153.2	155.7	162.2	162.2
25°	701.4	679.6	616.5	435.0	202.1	148.0	145.4	148.0	150.6	153.2	157.0
27.5°	742.6	705.3	633.2	361.7	145.4	137.7	140.3	141.6	141.6	145.4	146.7
30°	769.6	740.0	646.1	279.3	128.7	127.4	130.0	131.3	132.6	136.4	137.7
32.5°	795.4	785.1	629.4	189.2	121.0	118.4	117.1	118.4	123.6	127.4	126.1
35°	832.7	826.3	604.9	131.3	113.3	108.1	105.5	106.8	110.7	114.5	113.3
37.5°	877.8	884.2	545.7	114.5	105.5	99.1	94.0	94.0	95.2	99.1	100.4
40°	930.5	947.3	476.2	106.8	100.4	92.7	87.5	81.1	79.8	78.5	79.8
42.5°	1027.1	1046.4	397.7	101.7	92.7	83.7	75.9	68.2	61.8	57.9	57.9
45°	1162.2	1146.7	294.7	96.5	88.8	75.9	64.4	55.3	46.3	42.5	42.5
47.5°	1348.8	1296.0	202.1	91.4	82.4	66.9	54.1	42.5	34.7	30.9	30.9
50°	1607.5	1433.8	131.3	86.2	78.5	57.9	43.8	30.9	25.7	24.5	25.7
52.5°	1852.0	1574.0	104.2	79.8	70.8	50.2	33.5	25.7	23.2	21.9	21.9
55°	2077.3	1644.8	92.7	73.4	64.4	41.2	28.3	21.9	20.6	19.3	19.3
57.5°	2267.8	1669.3	79.8	64.4	51.5	32.2	23.2	19.3	16.7	15.4	15.4
60°	2432.5	1675.7	61.8	51.5	37.3	24.5	19.3	16.7	14.2	11.6	11.6
62.5°	2563.8	1630.7	43.8	36.0	25.7	19.3	16.7	11.6	7.7	5.1	3.9
65°	2668.0	1540.6	29.6	24.5	16.7	14.2	10.3	5.1	1.3	0.0	0.0
67.5°	2545.8	1335.9	23.2	18.0	11.6	9.0	5.1	1.3	0.0	0.0	0.0
70°	2076.0	1036.1	16.7	11.6	7.7	2.6	1.3	0.0	0.0	0.0	0.0
72.5°	1413.2	668.0	12.9	7.7	3.9	1.3	0.0	0.0	0.0	0.0	0.0
75°	634.5	239.4	9.0	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	154.4	56.6	6.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	41.2	14.2	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.4	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	1.3	0.0	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)