

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: P676769

Luminaire Tested: **CCW-SA-2C-835-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676769
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-835-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

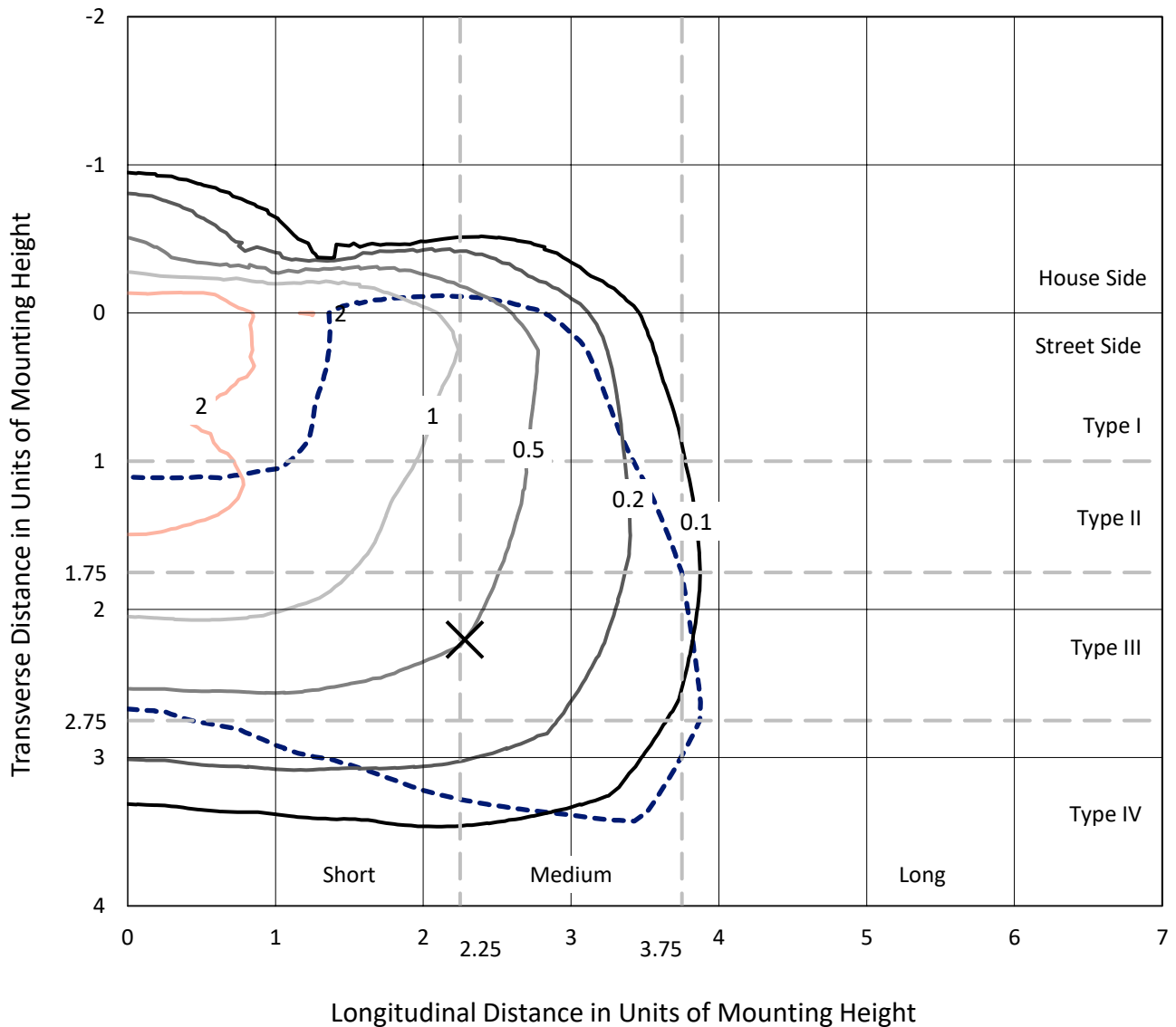
Lumens per Lamp: N/A
Luminaire Lumens: 5375.2 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

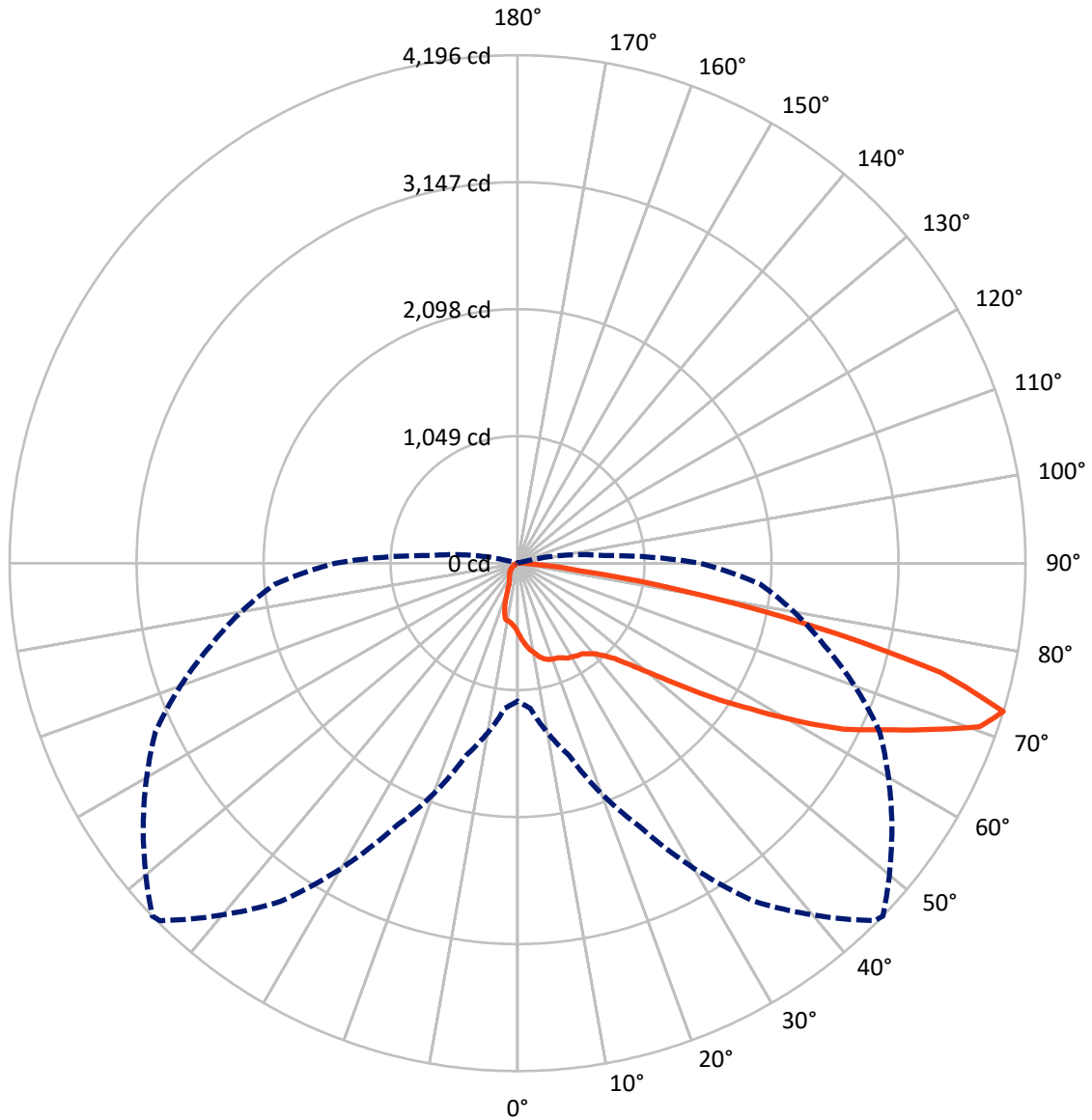
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 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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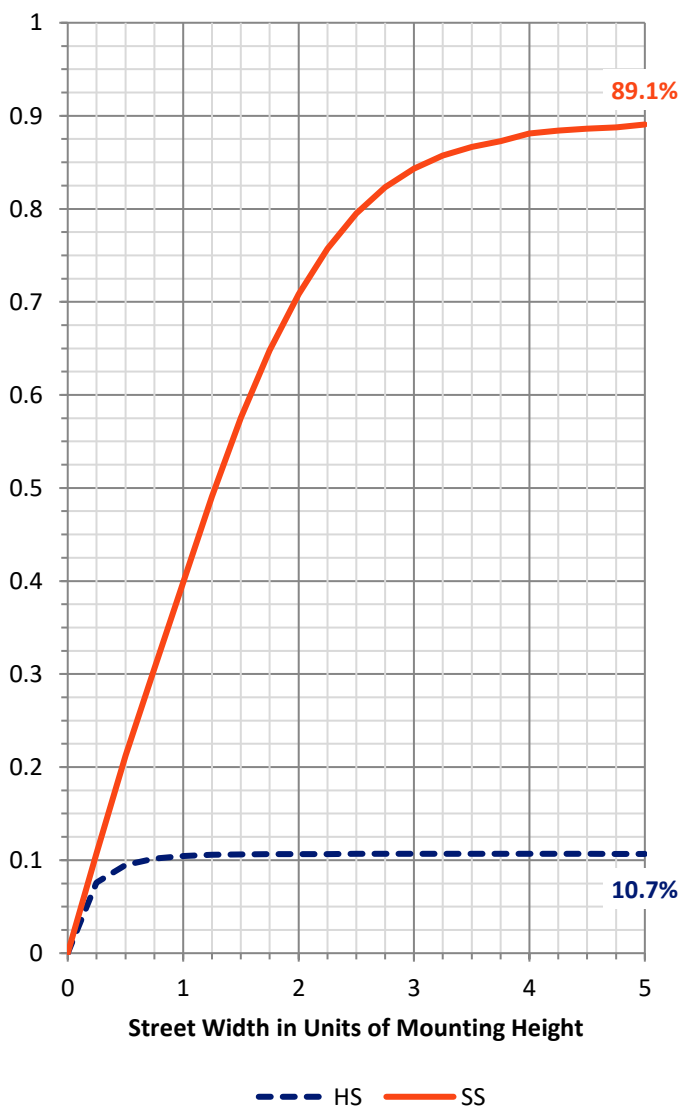
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	578.7	0.0	578.7
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4796.5	0.0	4796.5
	% Fixture	89.2	0.0	89.2
Total	Lumens	5375.2	0.0	5375.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.1
10°-20°	173.6	3.2
20°-30°	271.8	5.1
30°-40°	380.6	7.1
40°-50°	627.6	11.7
50°-60°	1128.0	21.0
60°-70°	1634.9	30.4
70°-80°	1020.3	19.0
80°-90°	80.9	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°	5375.2	100.0
0°-180°	5375.2	100.0

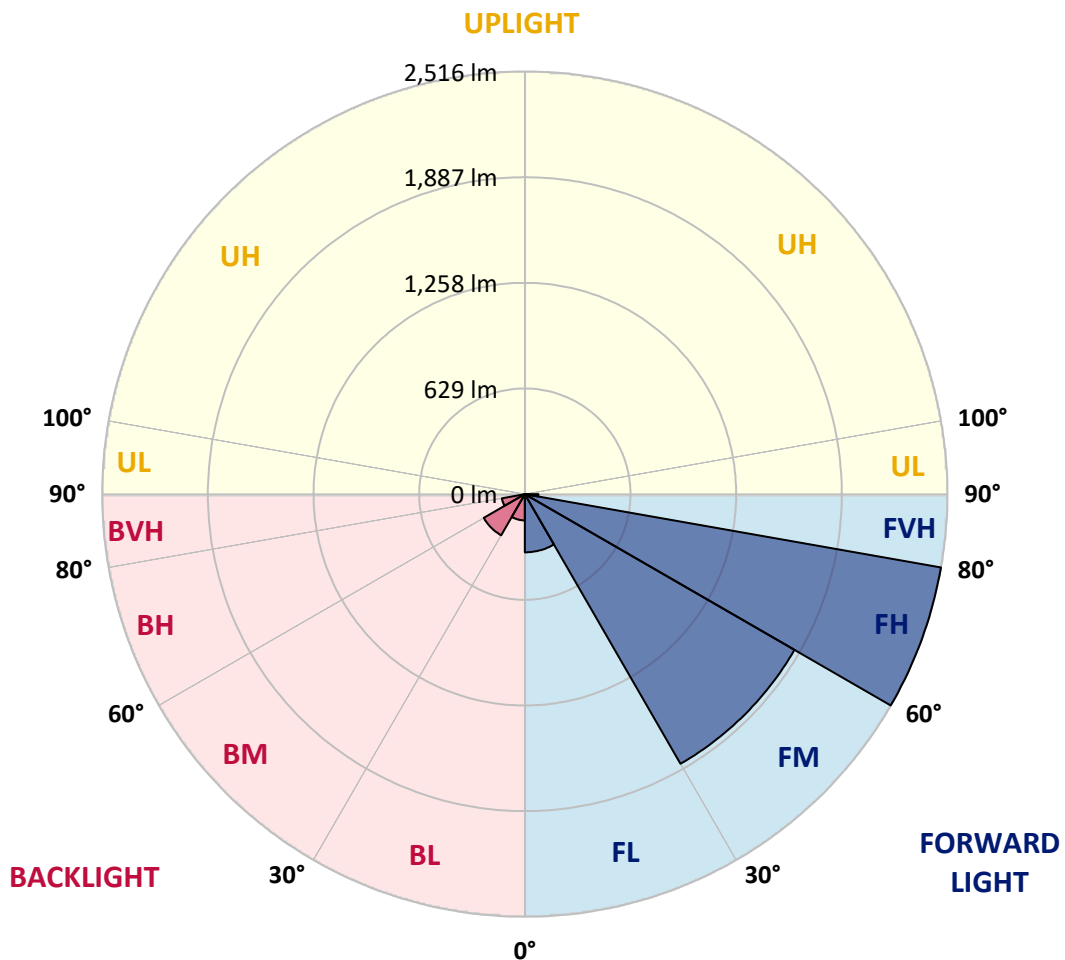


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.5	6.4			
FM (30°-60°)	1853.5	34.5			
FH (60°-80°)	2516.1	46.8			G2/5000
FVH (80°-90°)	80.4	1.5			G1/100
BL (0°-30°)	156.4	2.9	B1/500		
BM (30°-60°)	282.7	5.3	B1/1000		
BH (60°-80°)	139.2	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°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5
2.5°	643.0	640.3	644.4	643.0	626.6	629.3	627.9	617.0	597.8	586.8	580.0
5°	717.1	723.9	718.4	706.1	696.5	677.3	674.6	656.7	626.6	607.4	586.8
7.5°	793.8	793.8	782.9	763.7	743.1	722.6	719.8	689.6	663.6	630.7	601.9
10°	851.4	844.6	836.3	815.8	792.5	765.1	751.3	729.4	700.6	660.9	623.8
12.5°	902.2	891.2	877.5	847.3	819.9	789.7	792.5	756.8	737.6	702.0	647.1
15°	931.0	921.4	909.0	881.6	839.1	825.4	819.9	798.0	763.7	728.0	675.9
17.5°	937.8	931.0	914.5	878.9	855.5	839.1	837.7	811.7	796.6	766.4	708.8
20°	924.1	911.8	899.4	876.1	854.2	848.7	844.6	844.6	825.4	785.6	729.4
22.5°	900.8	887.1	880.2	866.5	848.7	847.3	850.1	847.3	832.2	806.2	751.3
25°	883.0	876.1	865.1	861.0	850.1	870.6	866.5	862.4	858.3	828.1	785.6
27.5°	888.4	887.1	878.9	862.4	854.2	876.1	888.4	889.8	888.4	858.3	817.2
30°	891.2	884.3	876.1	872.0	874.7	896.7	896.7	926.8	914.5	884.3	848.7
32.5°	922.7	918.6	891.2	881.6	883.0	909.0	910.4	940.6	936.4	915.9	876.1
35°	989.9	962.5	922.7	895.3	895.3	929.6	918.6	962.5	973.5	940.6	895.3
37.5°	1090.0	1069.4	998.1	936.4	913.1	937.8	948.8	973.5	1006.4	977.6	933.7
40°	1288.8	1284.7	1183.2	1050.2	958.4	980.3	984.4	1022.8	1044.8	1005.0	992.7
42.5°	1579.5	1558.9	1464.3	1254.5	1040.6	1031.0	1046.1	1070.8	1122.9	1090.0	1059.8
45°	1863.3	1853.7	1759.1	1524.6	1190.1	1132.5	1124.3	1168.1	1244.9	1209.3	1186.0
47.5°	2068.9	2049.7	1996.3	1798.8	1409.5	1251.8	1257.3	1301.1	1398.5	1371.1	1377.9
50°	2226.6	2217.0	2160.8	2052.5	1686.4	1439.6	1428.6	1472.5	1604.1	1622.0	1641.2
52.5°	2399.4	2417.2	2341.8	2249.9	2014.1	1691.9	1667.2	1682.3	1852.3	1893.4	1946.9
55°	2565.3	2594.1	2518.6	2506.3	2356.9	1971.6	1967.5	1931.8	2151.2	2156.7	2185.5
57.5°	2673.6	2664.0	2658.5	2725.7	2699.6	2292.4	2271.9	2236.2	2435.0	2399.4	2485.7
60°	2681.8	2709.2	2801.1	2967.0	3013.6	2669.5	2639.3	2542.0	2680.4	2595.4	2760.0
62.5°	2743.5	2765.4	2935.4	3164.4	3224.7	3001.3	3021.8	2775.0	2890.2	2823.0	3064.3
65°	2587.2	2655.8	2997.1	3318.0	3501.7	3337.2	3316.6	3075.3	3105.5	3042.4	3364.6
67.5°	2446.0	2472.0	2828.5	3364.6	3721.1	3674.5	3666.2	3341.3	3327.6	3211.0	3449.6
70°	1988.0	2019.6	2371.9	3126.0	3795.1	4067.9	4048.8	3714.2	3478.4	3119.2	3013.6
72.5°	1139.4	1202.4	1643.9	2407.6	3409.8	4177.6	4195.5	3774.5	3300.2	2622.8	2012.7
75°	372.9	390.8	682.8	1364.2	2550.2	3644.3	3612.8	3243.9	2662.6	1731.7	909.0
77.5°	126.1	128.9	201.5	493.6	1413.6	2462.4	2480.3	2318.5	1635.7	719.8	250.9
80°	64.4	68.6	98.7	185.1	581.3	1340.9	1369.7	1321.7	685.5	212.5	60.3
82.5°	30.2	31.5	57.6	102.8	266.0	526.5	526.5	578.6	242.7	119.3	24.7
85°	11.0	11.0	30.2	59.0	112.4	175.5	176.9	178.2	127.5	89.1	11.0
87.5°	4.1	4.1	15.1	24.7	41.1	53.5	53.5	42.5	64.4	59.0	4.1
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°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5
2.5°	577.2	569.0	562.1	552.5	540.2	533.3	534.7	526.5	526.5	522.4	521.0
5°	577.2	569.0	551.2	534.7	523.7	510.0	503.2	497.7	497.7	495.0	496.3
7.5°	581.3	569.0	544.3	522.4	504.6	490.8	479.9	478.5	475.8	468.9	474.4
10°	606.0	588.2	547.1	516.9	496.3	481.2	462.0	456.6	448.3	436.0	437.4
12.5°	626.6	603.3	566.2	525.1	499.1	474.4	430.5	382.5	362.0	340.0	341.4
15°	656.7	623.8	573.1	536.1	499.1	419.5	340.0	278.3	245.4	229.0	229.0
17.5°	673.2	645.8	592.3	542.9	459.3	341.4	241.3	187.8	182.4	185.1	185.1
20°	707.5	670.5	614.2	548.4	393.5	242.7	176.9	171.4	174.1	179.6	178.2
22.5°	729.4	692.4	630.7	523.7	304.4	174.1	165.9	163.2	165.9	172.8	172.8
25°	747.2	723.9	656.7	463.4	215.3	157.7	154.9	157.7	160.4	163.2	167.3
27.5°	791.1	751.3	674.6	385.3	154.9	146.7	149.4	150.8	150.8	154.9	156.3
30°	819.9	788.4	688.3	297.5	137.1	135.7	138.5	139.8	141.2	145.3	146.7
32.5°	847.3	836.3	670.5	201.5	128.9	126.1	124.8	126.1	131.6	135.7	134.4
35°	887.1	880.2	644.4	139.8	120.7	115.2	112.4	113.8	117.9	122.0	120.7
37.5°	935.1	941.9	581.3	122.0	112.4	105.6	100.1	100.1	101.5	105.6	106.9
40°	991.3	1009.1	507.3	113.8	106.9	98.7	93.2	86.4	85.0	83.6	85.0
42.5°	1094.1	1114.7	423.7	108.3	98.7	89.1	80.9	72.7	65.8	61.7	61.7
45°	1238.1	1221.6	314.0	102.8	94.6	80.9	68.6	59.0	49.4	45.2	45.2
47.5°	1436.9	1380.7	215.3	97.3	87.7	71.3	57.6	45.2	37.0	32.9	32.9
50°	1712.5	1527.4	139.8	91.9	83.6	61.7	46.6	32.9	27.4	26.1	27.4
52.5°	1973.0	1676.8	111.1	85.0	75.4	53.5	35.6	27.4	24.7	23.3	23.3
55°	2212.9	1752.2	98.7	78.2	68.6	43.9	30.2	23.3	21.9	20.6	20.6
57.5°	2415.8	1778.3	85.0	68.6	54.8	34.3	24.7	20.6	17.8	16.5	16.5
60°	2591.3	1785.1	65.8	54.8	39.8	26.1	20.6	17.8	15.1	12.3	12.3
62.5°	2731.2	1737.1	46.6	38.4	27.4	20.6	17.8	12.3	8.2	5.5	4.1
65°	2842.2	1641.2	31.5	26.1	17.8	15.1	11.0	5.5	1.4	0.0	0.0
67.5°	2712.0	1423.2	24.7	19.2	12.3	9.6	5.5	1.4	0.0	0.0	0.0
70°	2211.5	1103.7	17.8	12.3	8.2	2.7	1.4	0.0	0.0	0.0	0.0
72.5°	1505.4	711.6	13.7	8.2	4.1	1.4	0.0	0.0	0.0	0.0	0.0
75°	675.9	255.0	9.6	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	164.5	60.3	6.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.9	15.1	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.5	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	1.4	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)