

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: P676736

Luminaire Tested: **CCW-SA-2C-760-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676736
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-760-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) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

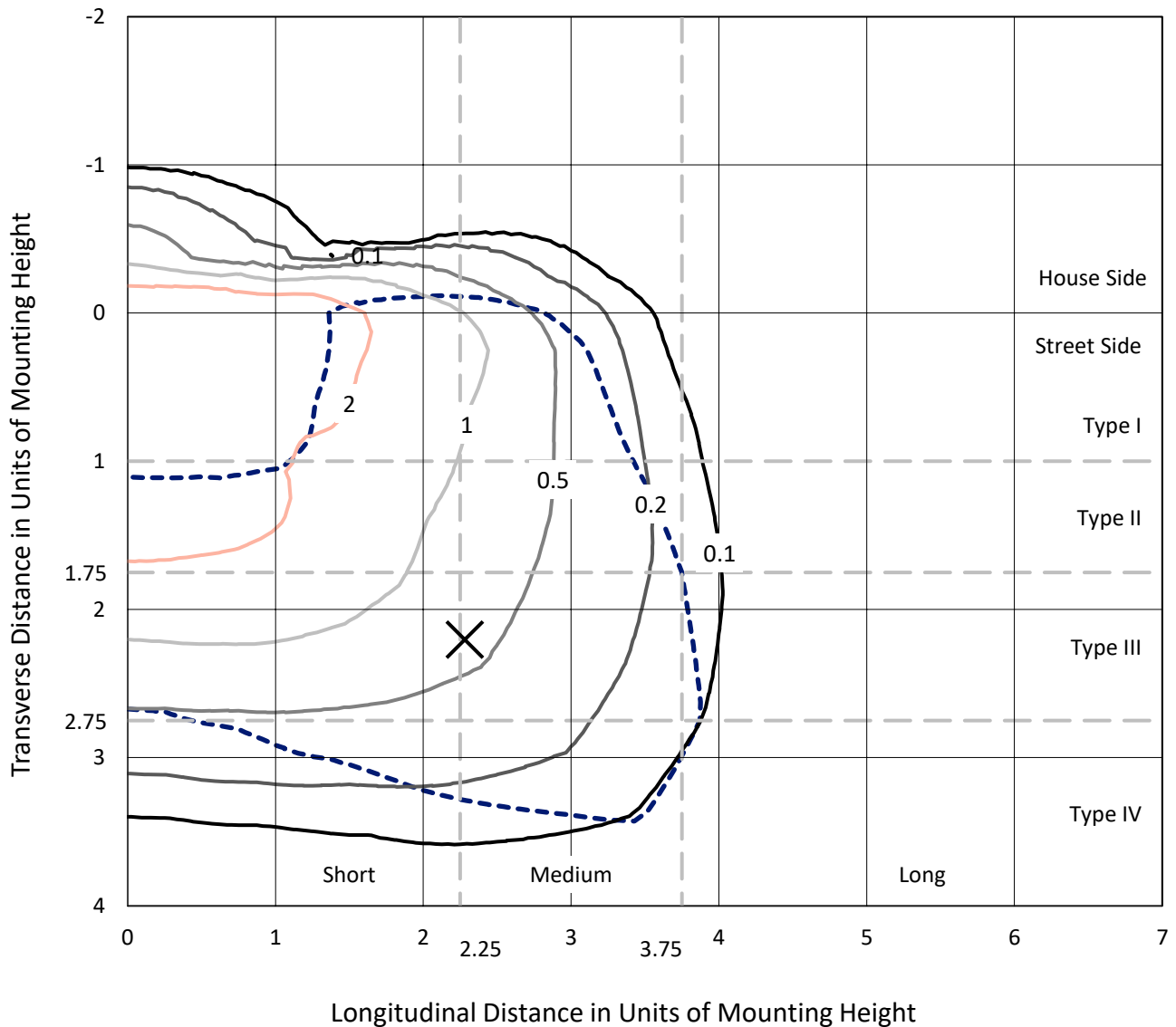
Lumens per Lamp: N/A
Luminaire Lumens: 6672.7 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

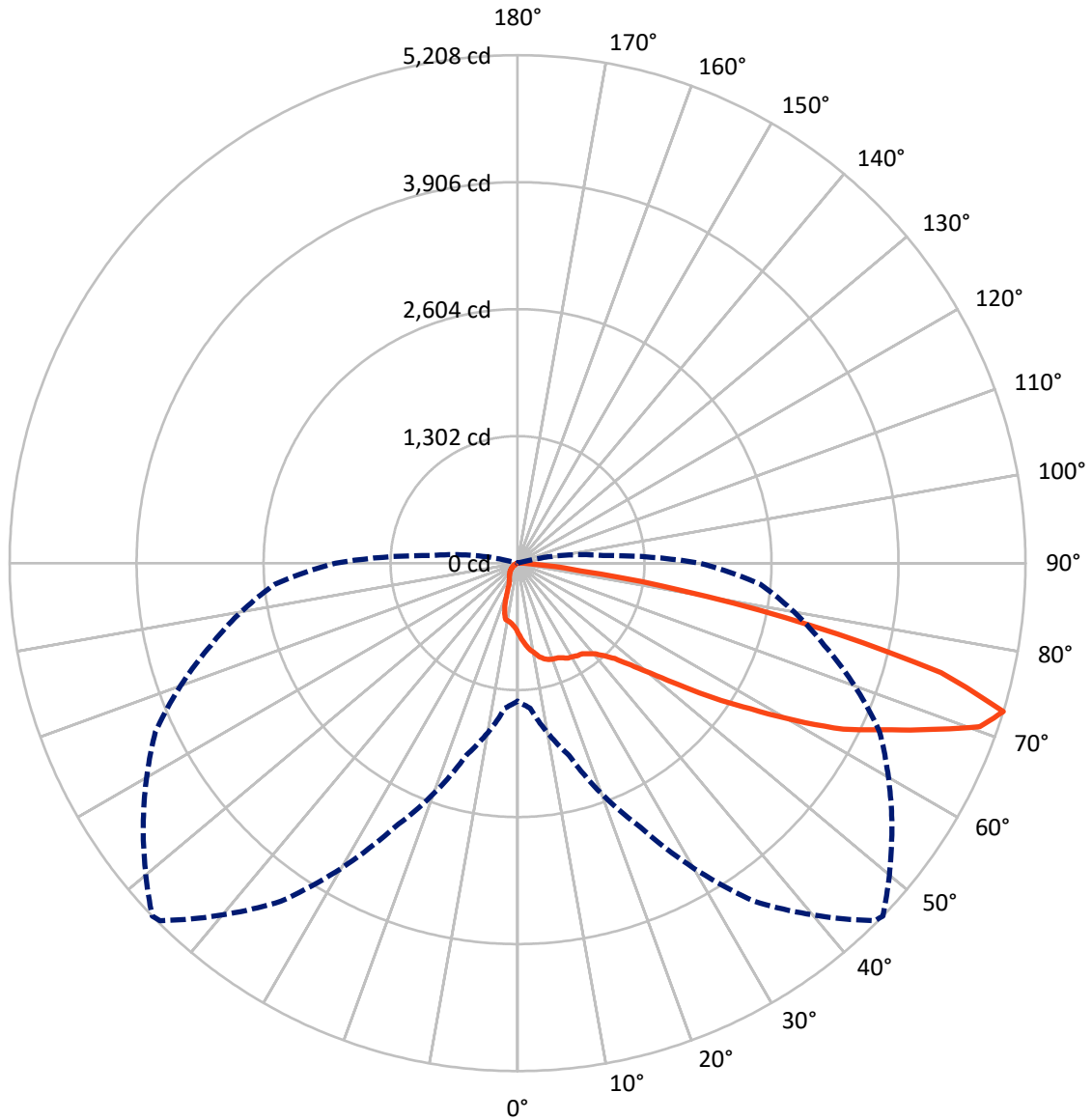
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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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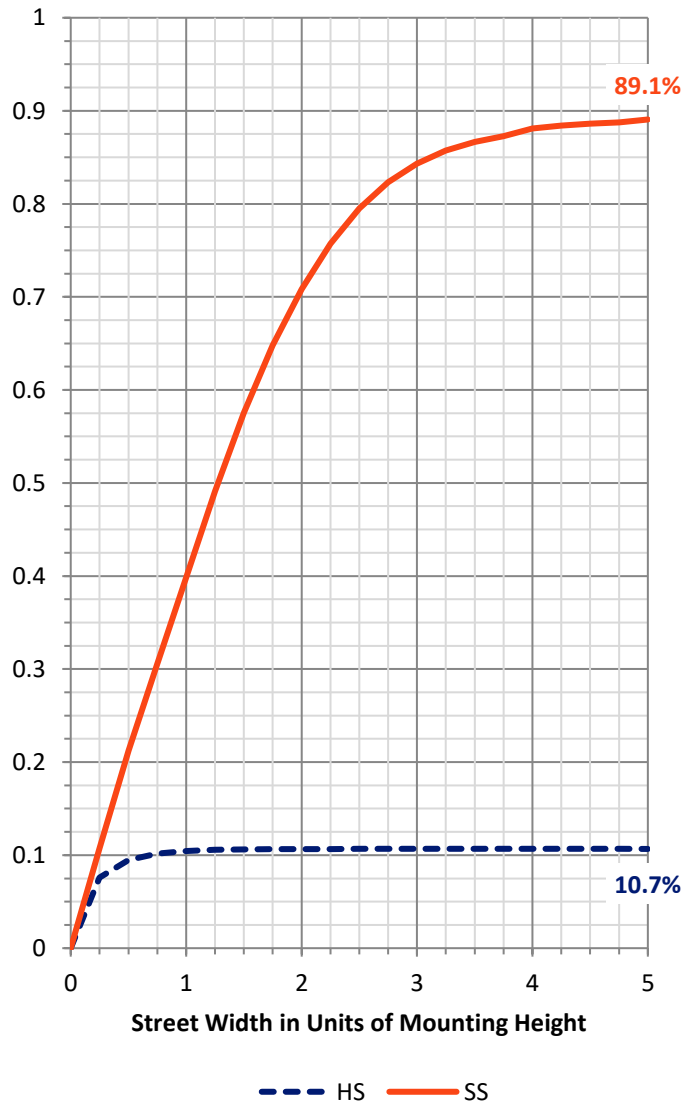
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	718.4	0.0	718.4
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	5954.3	0.0	5954.3
	% Fixture	89.2	0.0	89.2
Total	Lumens	6672.7	0.0	6672.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	1.1
10°-20°	215.5	3.2
20°-30°	337.4	5.1
30°-40°	472.4	7.1
40°-50°	779.1	11.7
50°-60°	1400.3	21.0
60°-70°	2029.6	30.4
70°-80°	1266.6	19.0
80°-90°	100.4	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°	6672.7	100.0
0°-180°	6672.7	100.0



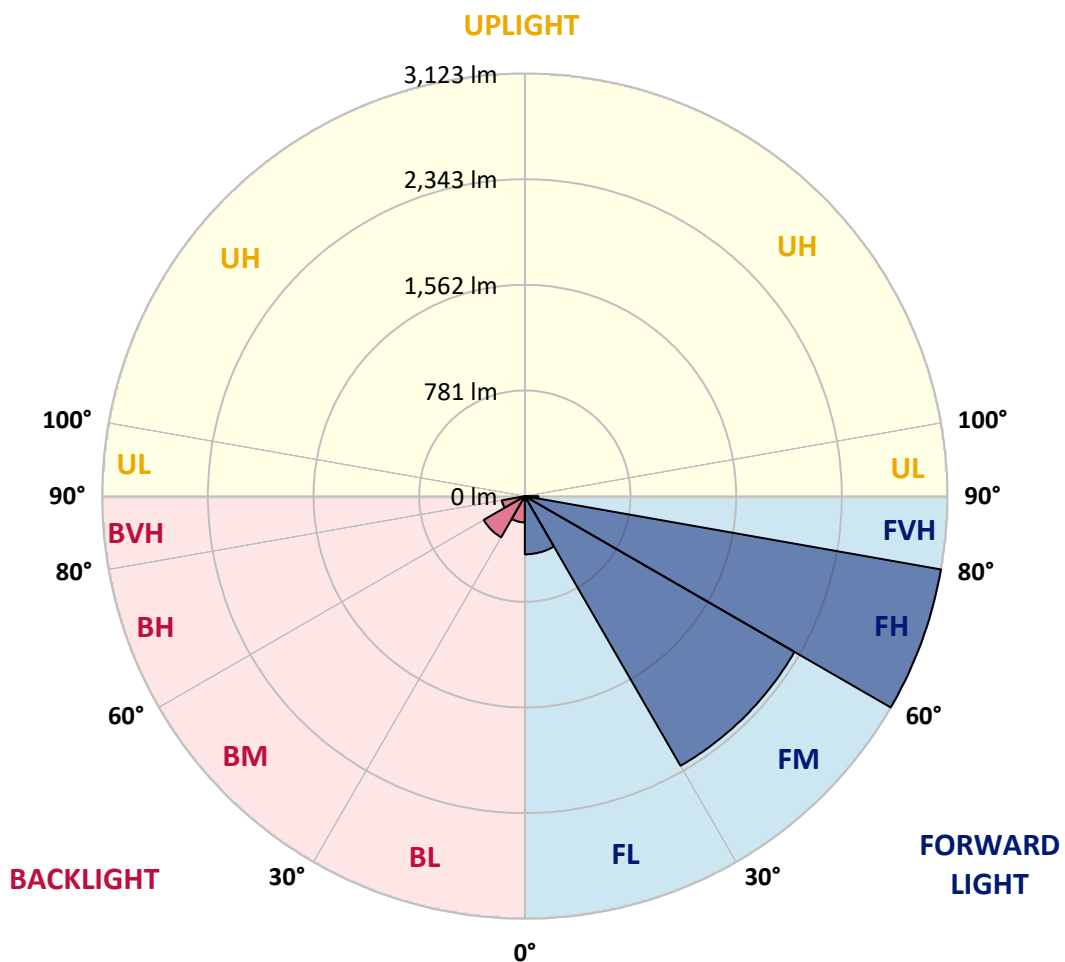
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.1	6.4			
FM (30°-60°)	2300.9	34.5			
FH (60°-80°)	3123.5	46.8			G2/5000
FVH (80°-90°)	99.9	1.5			G1/100
BL (0°-30°)	194.1	2.9	B1/500		
BM (30°-60°)	350.9	5.3	B1/1000		
BH (60°-80°)	172.7	2.6	B1/500		G1/500
BVH (80°-90°)	0.5	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°	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1
2.5°	798.2	794.8	799.9	798.2	777.8	781.2	779.5	765.9	742.1	728.5	720.0
5°	890.2	898.7	891.9	876.5	864.6	840.8	837.4	815.3	777.8	754.0	728.5
7.5°	985.5	985.5	971.9	948.0	922.5	897.0	893.6	856.1	823.8	782.9	747.2
10°	1057.0	1048.4	1038.2	1012.7	983.8	949.7	932.7	905.5	869.7	820.4	774.4
12.5°	1119.9	1106.3	1089.3	1051.8	1017.8	980.4	983.8	939.5	915.7	871.4	803.4
15°	1155.7	1143.8	1128.4	1094.4	1041.6	1024.6	1017.8	990.6	948.0	903.8	839.1
17.5°	1164.2	1155.7	1135.2	1091.0	1062.1	1041.6	1039.9	1007.6	988.9	951.4	879.9
20°	1147.2	1131.8	1116.5	1087.6	1060.4	1053.5	1048.4	1048.4	1024.6	975.3	905.5
22.5°	1118.2	1101.2	1092.7	1075.7	1053.5	1051.8	1055.3	1051.8	1033.1	1000.8	932.7
25°	1096.1	1087.6	1074.0	1068.9	1055.3	1080.8	1075.7	1070.6	1065.5	1028.0	975.3
27.5°	1102.9	1101.2	1091.0	1070.6	1060.4	1087.6	1102.9	1104.6	1102.9	1065.5	1014.4
30°	1106.3	1097.8	1087.6	1082.5	1085.9	1113.1	1113.1	1150.6	1135.2	1097.8	1053.5
32.5°	1145.5	1140.4	1106.3	1094.4	1096.1	1128.4	1130.1	1167.6	1162.5	1136.9	1087.6
35°	1228.9	1194.8	1145.5	1111.4	1111.4	1154.0	1140.4	1194.8	1208.4	1167.6	1111.4
37.5°	1353.1	1327.6	1239.1	1162.5	1133.5	1164.2	1177.8	1208.4	1249.3	1213.5	1159.1
40°	1599.9	1594.8	1468.8	1303.7	1189.7	1216.9	1222.0	1269.7	1296.9	1247.6	1232.3
42.5°	1960.7	1935.2	1817.8	1557.3	1291.8	1279.9	1298.6	1329.3	1394.0	1353.1	1315.7
45°	2313.0	2301.1	2183.7	1892.6	1477.4	1405.9	1395.7	1450.1	1545.4	1501.2	1472.2
47.5°	2568.3	2544.5	2478.1	2233.0	1749.7	1553.9	1560.7	1615.2	1736.1	1702.0	1710.5
50°	2764.1	2752.2	2682.4	2547.9	2093.5	1787.1	1773.5	1828.0	1991.4	2013.5	2037.3
52.5°	2978.5	3000.7	2907.0	2793.0	2500.3	2100.3	2069.7	2088.4	2299.4	2350.5	2416.9
55°	3184.5	3220.2	3126.6	3111.3	2925.8	2447.5	2442.4	2398.1	2670.5	2677.3	2713.0
57.5°	3318.9	3307.0	3300.2	3383.6	3351.3	2845.8	2820.2	2776.0	3022.8	2978.5	3085.8
60°	3329.1	3363.2	3477.2	3683.2	3741.0	3313.8	3276.4	3155.5	3327.4	3221.9	3426.2
62.5°	3405.7	3433.0	3644.0	3928.3	4003.1	3725.7	3751.2	3444.9	3587.9	3504.5	3804.0
65°	3211.7	3296.8	3720.6	4118.9	4347.0	4142.7	4117.2	3817.6	3855.1	3776.8	4176.7
67.5°	3036.4	3068.7	3511.3	4176.7	4619.3	4561.4	4551.2	4147.8	4130.8	3986.1	4282.3
70°	2467.9	2507.1	2944.5	3880.6	4711.2	5049.9	5026.1	4610.8	4318.0	3872.1	3741.0
72.5°	1414.4	1492.7	2040.7	2988.7	4232.9	5186.0	5208.2	4685.7	4096.8	3256.0	2498.6
75°	462.9	485.1	847.6	1693.5	3165.8	4524.0	4484.8	4027.0	3305.3	2149.6	1128.4
77.5°	156.6	160.0	250.2	612.7	1754.8	3056.8	3078.9	2878.1	2030.5	893.6	311.5
80°	80.0	85.1	122.5	229.8	721.7	1664.6	1700.3	1640.7	851.0	263.8	74.9
82.5°	37.4	39.1	71.5	127.7	330.2	653.6	653.6	718.3	301.3	148.1	30.6
85°	13.6	13.6	37.4	73.2	139.6	217.9	219.6	221.3	158.3	110.6	13.6
87.5°	5.1	5.1	18.7	30.6	51.1	66.4	66.4	52.8	80.0	73.2	5.1
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°	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1
2.5°	716.5	706.3	697.8	685.9	670.6	662.1	663.8	653.6	653.6	648.5	646.8
5°	716.5	706.3	684.2	663.8	650.2	633.2	624.6	617.8	617.8	614.4	616.1
7.5°	721.7	706.3	675.7	648.5	626.3	609.3	595.7	594.0	590.6	582.1	588.9
10°	752.3	730.2	679.1	641.7	616.1	597.4	573.6	566.8	556.6	541.2	542.9
12.5°	777.8	748.9	702.9	651.9	619.5	588.9	534.4	474.9	449.3	422.1	423.8
15°	815.3	774.4	711.4	665.5	619.5	520.8	422.1	345.5	304.7	284.2	284.2
17.5°	835.7	801.7	735.3	674.0	570.2	423.8	299.6	233.2	226.4	229.8	229.8
20°	878.2	832.3	762.5	680.8	488.5	301.3	219.6	212.8	216.2	223.0	221.3
22.5°	905.5	859.5	782.9	650.2	377.8	216.2	205.9	202.5	205.9	214.5	214.5
25°	927.6	898.7	815.3	575.3	267.2	195.7	192.3	195.7	199.1	202.5	207.6
27.5°	982.1	932.7	837.4	478.3	192.3	182.1	185.5	187.2	187.2	192.3	194.0
30°	1017.8	978.7	854.4	369.3	170.2	168.5	171.9	173.6	175.3	180.4	182.1
32.5°	1051.8	1038.2	832.3	250.2	160.0	156.6	154.9	156.6	163.4	168.5	166.8
35°	1101.2	1092.7	799.9	173.6	149.8	143.0	139.6	141.3	146.4	151.5	149.8
37.5°	1160.8	1169.3	721.7	151.5	139.6	131.1	124.2	124.2	125.9	131.1	132.8
40°	1230.6	1252.7	629.7	141.3	132.8	122.5	115.7	107.2	105.5	103.8	105.5
42.5°	1358.2	1383.7	525.9	134.5	122.5	110.6	100.4	90.2	81.7	76.6	76.6
45°	1536.9	1516.5	389.8	127.7	117.4	100.4	85.1	73.2	61.3	56.2	56.2
47.5°	1783.7	1713.9	267.2	120.8	108.9	88.5	71.5	56.2	46.0	40.8	40.8
50°	2125.8	1896.0	173.6	114.0	103.8	76.6	57.9	40.8	34.0	32.3	34.0
52.5°	2449.2	2081.6	137.9	105.5	93.6	66.4	44.3	34.0	30.6	28.9	28.9
55°	2747.1	2175.2	122.5	97.0	85.1	54.5	37.4	28.9	27.2	25.5	25.5
57.5°	2999.0	2207.5	105.5	85.1	68.1	42.6	30.6	25.5	22.1	20.4	20.4
60°	3216.8	2216.0	81.7	68.1	49.4	32.3	25.5	22.1	18.7	15.3	15.3
62.5°	3390.4	2156.5	57.9	47.7	34.0	25.5	22.1	15.3	10.2	6.8	5.1
65°	3528.3	2037.3	39.1	32.3	22.1	18.7	13.6	6.8	1.7	0.0	0.0
67.5°	3366.6	1766.7	30.6	23.8	15.3	11.9	6.8	1.7	0.0	0.0	0.0
70°	2745.4	1370.1	22.1	15.3	10.2	3.4	1.7	0.0	0.0	0.0	0.0
72.5°	1868.8	883.3	17.0	10.2	5.1	1.7	0.0	0.0	0.0	0.0	0.0
75°	839.1	316.6	11.9	6.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	204.2	74.9	8.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	54.5	18.7	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.4	6.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	1.7	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)