

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: P677029

Luminaire Tested: **CCW-SA-1C-827-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677029
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-827-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

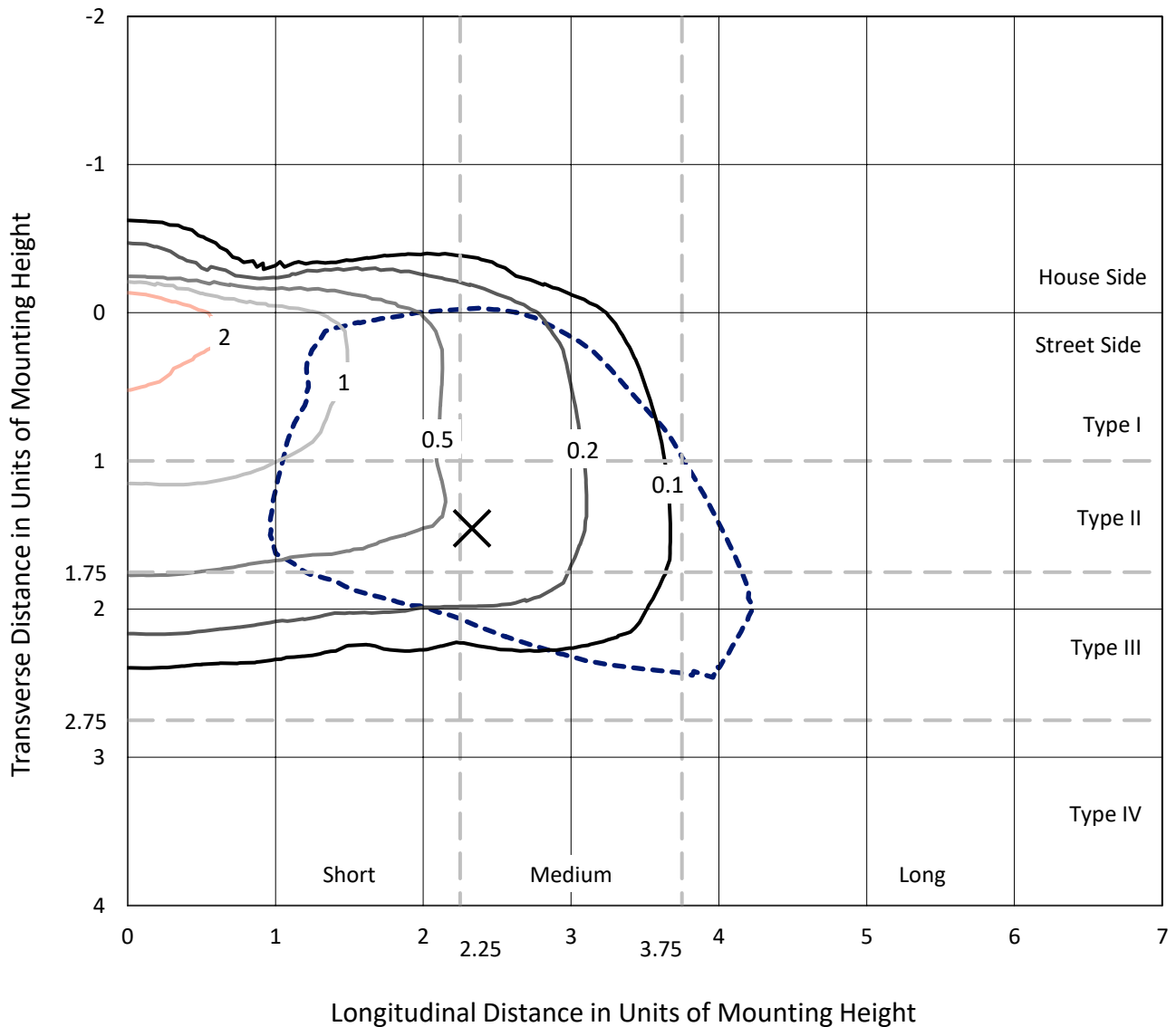
Lumens per Lamp: N/A
Luminaire Lumens: 2746.4 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
Input Voltage (V): 120
Input Current (A_{in}): 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

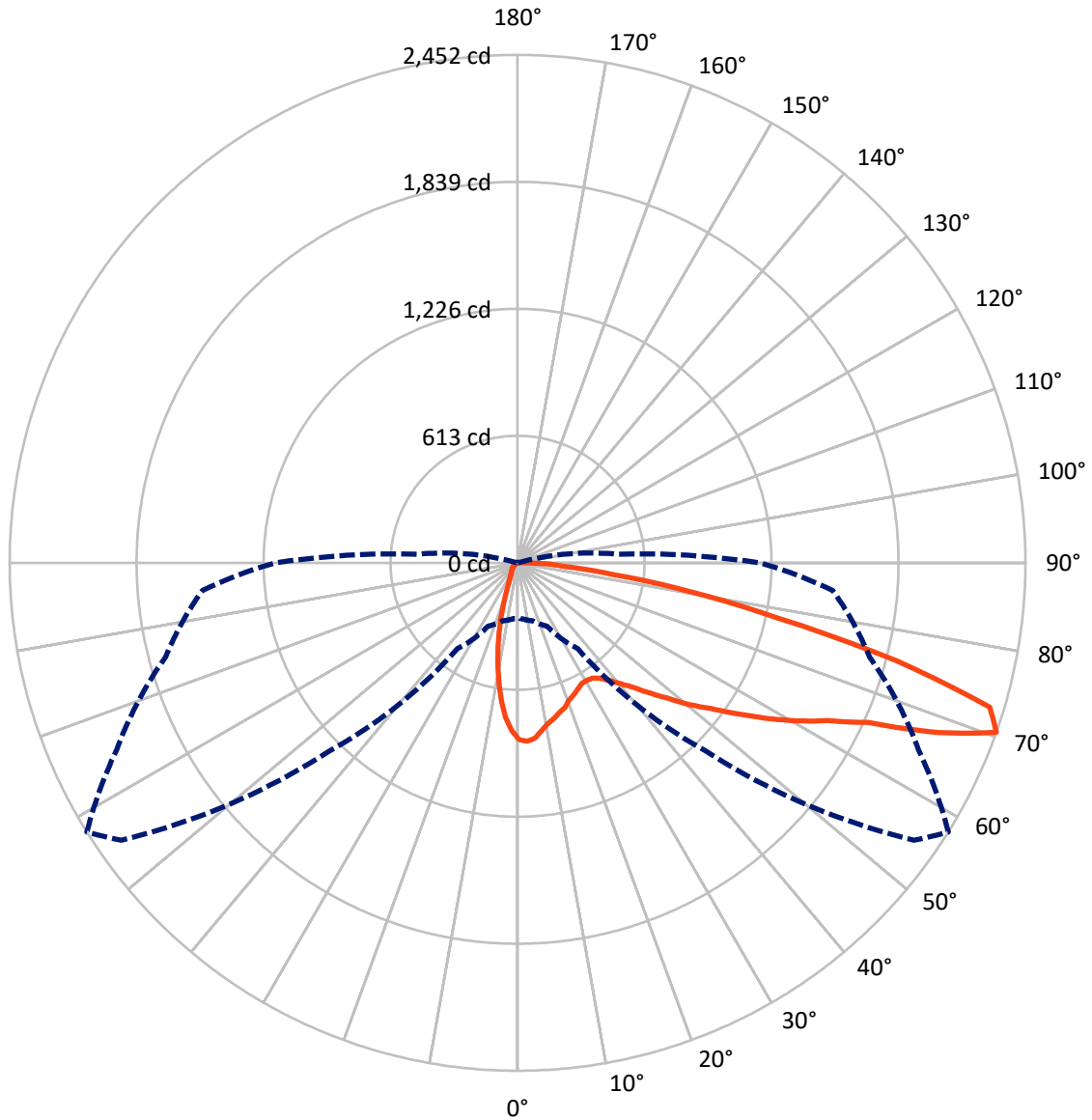
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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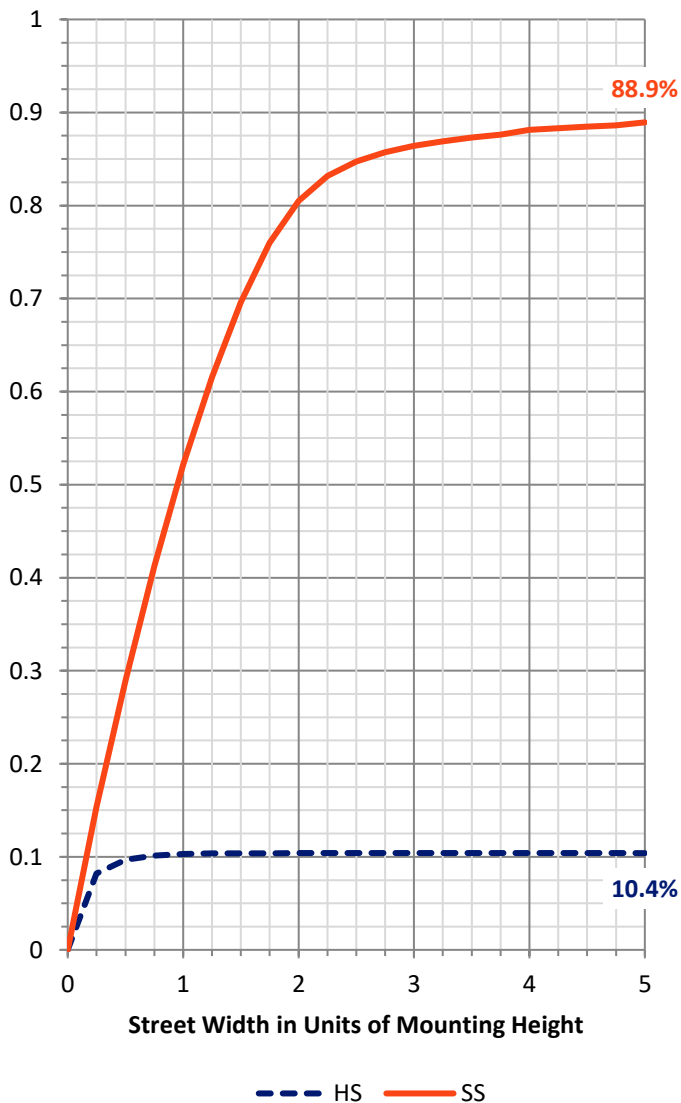
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.6	0.0	287.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2458.8	0.0	2458.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	2746.4	0.0	2746.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	2.5
10°-20°	144.8	5.3
20°-30°	193.9	7.1
30°-40°	262.1	9.5
40°-50°	376.2	13.7
50°-60°	554.4	20.2
60°-70°	676.3	24.6
70°-80°	413.0	15.0
80°-90°	56.1	2.0
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°	2746.4	100.0
0°-180°	2746.4	100.0

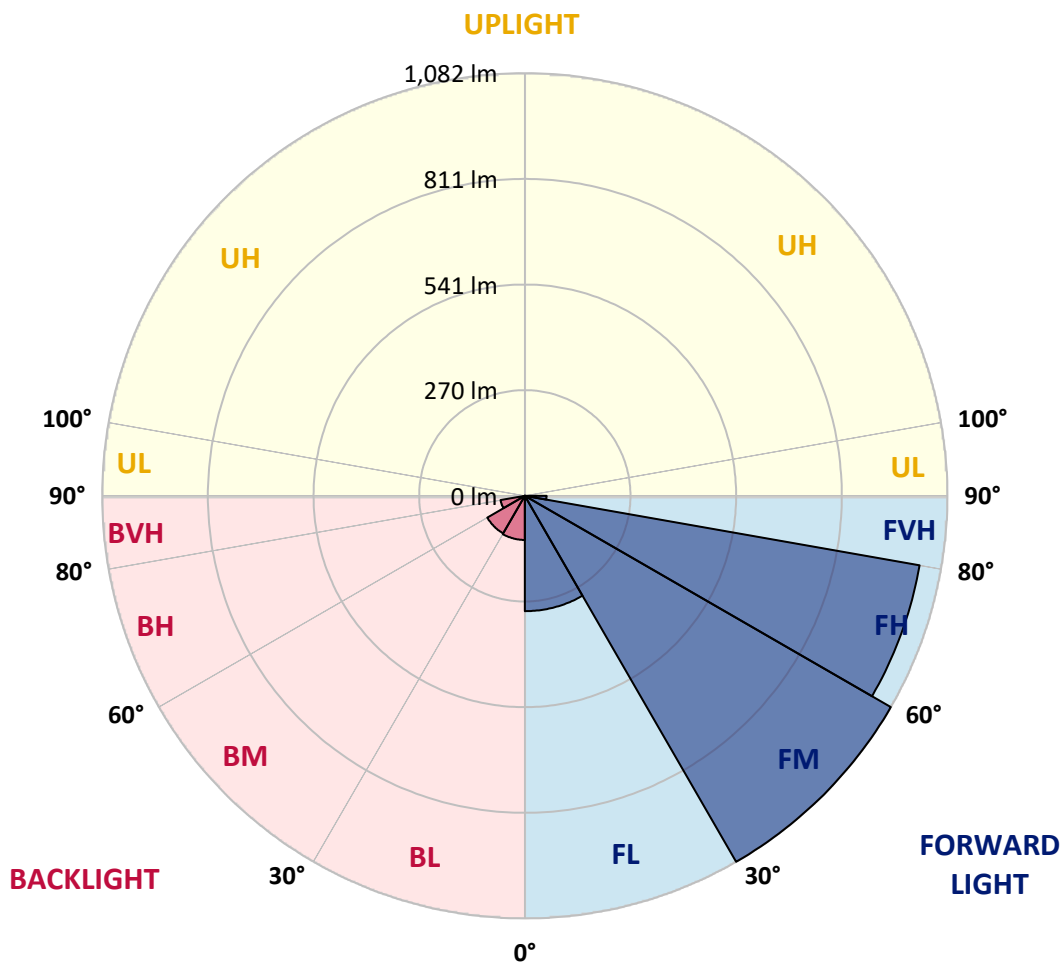


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.3	10.8			
FM (30°-60°)	1081.8	39.4			
FH (60°-80°)	1026.2	37.4			G1/1800
FVH (80°-90°)	55.6	2.0			G1/100
BL (0°-30°)	113.0	4.1	B1/500		
BM (30°-60°)	111.0	4.0	B0/220		
BH (60°-80°)	63.0	2.3	B0/110		G0/110
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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	852.6	852.6	852.6	852.6	852.6	852.6	852.6	852.6	852.6	852.6	852.6
2.5°	868.0	871.2	863.5	872.5	864.2	868.0	863.5	862.2	862.9	863.5	858.4
5°	827.5	835.2	838.4	833.3	845.5	843.6	851.3	851.9	848.7	845.5	846.1
7.5°	774.0	781.7	785.0	788.2	800.4	816.5	826.8	820.4	825.5	837.1	819.7
10°	735.4	733.4	732.8	739.2	762.4	775.9	793.3	791.4	804.3	815.2	801.1
12.5°	687.7	683.9	695.5	700.6	721.2	745.0	758.6	772.7	785.6	797.2	781.1
15°	652.3	655.5	660.0	671.0	685.8	717.3	737.3	750.8	774.0	779.8	773.4
17.5°	624.0	626.6	633.0	638.8	657.5	687.7	719.3	735.4	759.8	775.3	755.3
20°	624.6	616.9	616.9	622.7	633.0	669.1	702.5	707.7	741.2	767.6	754.1
22.5°	625.3	622.7	616.9	616.2	620.8	646.5	680.6	692.2	728.3	759.2	743.1
25°	634.3	624.6	625.3	616.2	618.2	631.1	658.1	675.5	716.7	763.7	737.3
27.5°	642.0	646.5	637.5	633.6	622.7	622.0	644.6	659.4	710.9	774.0	741.2
30°	659.4	662.6	662.6	660.0	649.7	634.9	640.1	658.7	699.3	772.1	734.7
32.5°	688.4	682.6	690.3	686.4	672.9	649.7	654.2	663.9	706.4	796.6	745.0
35°	698.0	702.5	712.8	704.5	700.0	686.4	677.4	684.5	716.7	821.0	760.5
37.5°	727.6	721.2	728.3	747.0	751.5	727.0	709.6	719.9	755.3	850.0	774.7
40°	730.2	735.4	748.3	785.0	789.5	779.2	765.0	767.6	794.0	887.3	810.1
42.5°	743.1	748.9	775.3	806.2	830.7	832.6	822.3	822.3	844.8	947.2	849.4
45°	768.2	758.6	792.7	844.8	880.3	887.3	900.9	897.6	915.7	1010.3	922.8
47.5°	777.9	781.1	818.4	881.6	922.1	955.0	977.5	978.1	987.2	1090.8	1018.1
50°	809.4	808.8	853.9	912.5	972.3	1032.2	1076.0	1076.0	1075.4	1169.4	1099.8
52.5°	851.3	850.0	884.8	954.3	1032.2	1107.6	1165.5	1167.5	1182.3	1266.0	1193.9
55°	919.5	913.7	947.2	998.7	1092.1	1183.6	1284.0	1284.7	1273.1	1334.9	1261.5
57.5°	976.9	976.2	1003.9	1053.5	1159.1	1281.4	1398.0	1415.4	1378.7	1405.7	1315.6
60°	962.0	970.4	1027.7	1101.1	1229.9	1403.8	1521.0	1548.0	1489.4	1454.0	1356.1
62.5°	870.0	889.3	951.7	1068.9	1289.8	1581.5	1690.3	1678.1	1547.4	1495.2	1405.7
65°	625.9	645.2	722.5	898.3	1220.3	1707.1	1913.1	1857.8	1650.4	1556.4	1472.0
67.5°	368.3	376.1	424.4	573.1	912.5	1638.8	2183.6	2188.1	1853.3	1650.4	1586.7
70°	265.9	271.7	290.4	338.1	505.5	1284.7	2334.3	2451.5	2134.7	1758.6	1526.1
72.5°	204.1	204.1	235.7	281.4	322.0	769.5	2148.2	2383.2	2195.8	1654.9	1229.9
75°	146.8	150.7	184.8	242.1	296.9	386.4	1582.8	1891.2	1861.0	1341.3	859.0
77.5°	84.4	86.3	130.1	202.8	278.8	265.3	978.1	1282.1	1318.1	839.7	372.2
80°	43.1	44.4	72.8	160.3	252.4	231.2	583.4	844.2	716.1	244.1	86.3
82.5°	21.2	21.2	32.8	102.4	214.4	204.8	343.2	466.2	253.7	56.0	36.1
85°	7.1	7.7	14.8	58.0	155.2	123.6	209.9	221.5	85.0	21.2	20.0
87.5°	1.9	2.6	3.9	21.2	67.6	81.1	124.9	141.7	34.8	8.4	9.7
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°	852.6	852.6	852.6	852.6	852.6	852.6	852.6	852.6	852.6	852.6	852.6
2.5°	839.1	834.5	829.4	816.5	806.2	792.7	783.7	776.6	763.1	765.6	759.8
5°	830.7	822.3	792.7	764.4	738.6	699.3	672.3	654.9	640.7	626.6	636.9
7.5°	815.9	795.9	749.5	696.7	642.0	590.5	539.0	508.1	485.5	464.9	464.3
10°	790.8	758.6	685.8	616.9	532.5	464.9	399.2	347.7	314.2	289.8	289.1
12.5°	762.4	728.9	637.5	525.5	428.2	332.9	254.4	199.6	168.1	148.7	146.2
15°	744.4	695.5	577.0	444.3	323.9	217.0	141.0	106.9	94.7	90.2	90.2
17.5°	721.2	665.2	517.1	360.0	224.7	125.6	91.4	82.4	81.8	80.5	79.2
20°	711.6	642.0	463.6	287.2	142.3	88.9	78.6	76.6	76.6	75.3	74.1
22.5°	685.8	608.5	407.0	210.6	94.7	77.9	74.1	71.5	70.2	68.9	70.2
25°	674.2	584.7	353.5	145.5	77.3	69.5	67.6	65.0	63.1	62.5	62.5
27.5°	666.5	560.9	301.4	101.1	68.3	63.7	59.9	58.0	55.4	52.8	52.8
30°	660.7	542.2	251.1	74.7	61.2	56.7	53.4	48.9	45.7	43.1	43.1
32.5°	653.0	520.3	200.9	63.7	55.4	50.9	45.1	41.2	36.7	34.8	34.8
35°	655.5	505.5	157.8	56.7	49.6	43.8	38.6	33.5	29.0	27.0	26.4
37.5°	660.7	494.5	119.8	50.9	44.4	38.0	32.2	26.4	23.8	21.2	21.2
40°	682.6	491.3	88.2	47.0	40.6	33.5	27.0	21.9	19.3	17.4	16.7
42.5°	719.3	495.8	68.3	42.5	36.7	28.3	22.5	18.0	15.5	13.5	12.9
45°	766.3	513.2	56.0	39.9	32.2	23.8	18.0	14.8	11.6	10.3	10.3
47.5°	834.5	540.3	48.9	36.7	28.3	20.0	15.5	11.6	9.0	7.7	7.7
50°	911.8	571.2	43.1	32.8	24.5	16.7	12.2	9.0	6.4	5.8	5.8
52.5°	989.1	610.5	39.9	30.3	21.2	13.5	9.7	6.4	4.5	3.9	3.9
55°	1070.2	645.2	36.1	28.3	17.4	10.9	7.1	3.9	2.6	1.9	1.9
57.5°	1126.9	658.7	31.6	24.5	13.5	8.4	5.2	2.6	1.3	0.6	0.6
60°	1167.5	660.7	27.0	20.0	10.3	6.4	3.2	1.3	0.6	0.0	0.0
62.5°	1201.6	664.5	23.2	15.5	7.7	4.5	1.9	0.6	0.0	0.0	0.0
65°	1269.2	661.3	18.7	12.2	5.2	2.6	1.3	0.0	0.0	0.0	0.0
67.5°	1322.6	629.1	14.8	8.4	3.2	1.3	0.6	0.0	0.0	0.0	0.0
70°	1170.0	479.7	11.6	5.8	1.9	0.6	0.0	0.0	0.0	0.0	0.0
72.5°	918.9	320.0	7.7	3.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0
75°	602.7	159.1	5.8	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	234.4	41.9	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	56.7	14.2	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.5	5.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.8	2.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.7	1.3	0.6	0.6	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)