

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: P676851

Luminaire Tested: **CCW-SA-1B-740-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676851
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-740-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

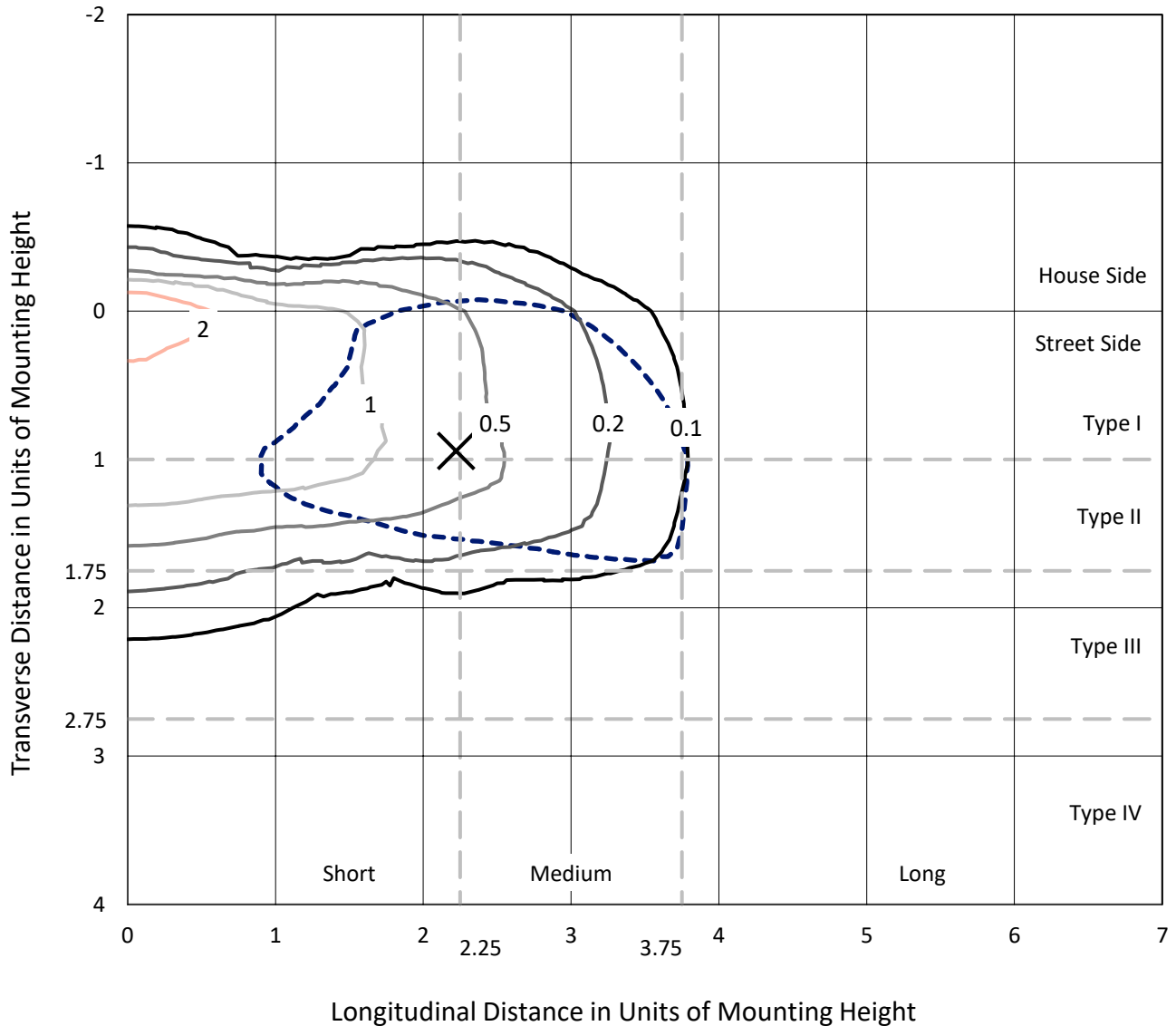
Lumens per Lamp: N/A
Luminaire Lumens: 2777.3 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

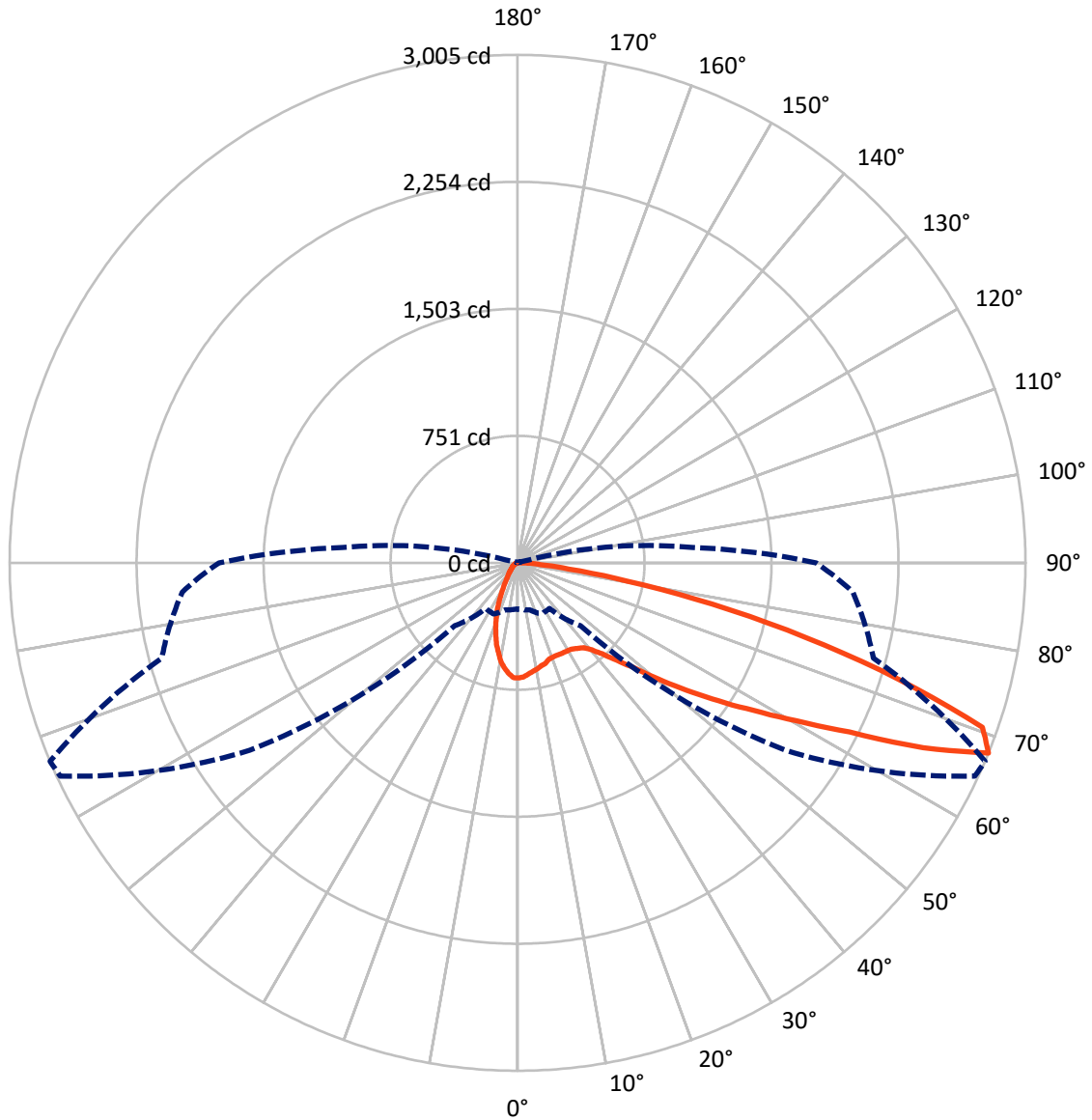
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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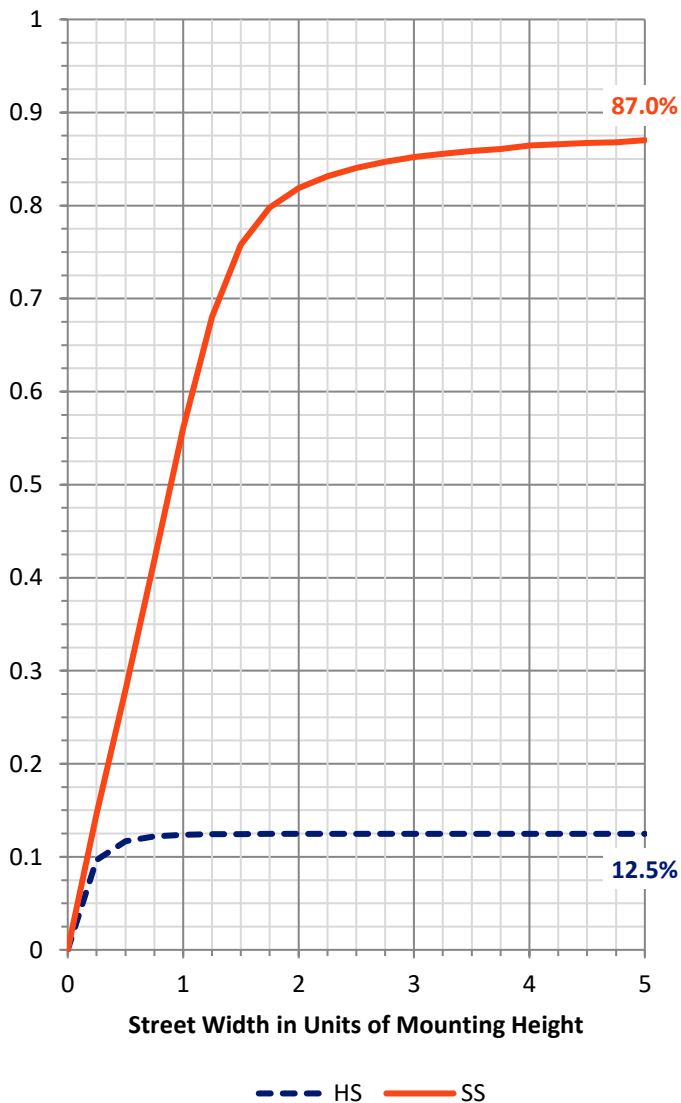
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	349.5	0.0	349.5
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2427.7	0.0	2427.7
	% Fixture	87.4	0.0	87.4
Total	Lumens	2777.3	0.0	2777.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	2.1
10°-20°	127.5	4.6
20°-30°	181.3	6.5
30°-40°	264.0	9.5
40°-50°	408.6	14.7
50°-60°	627.1	22.6
60°-70°	679.7	24.5
70°-80°	383.5	13.8
80°-90°	48.2	1.7
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°	2777.3	100.0
0°-180°	2777.3	100.0

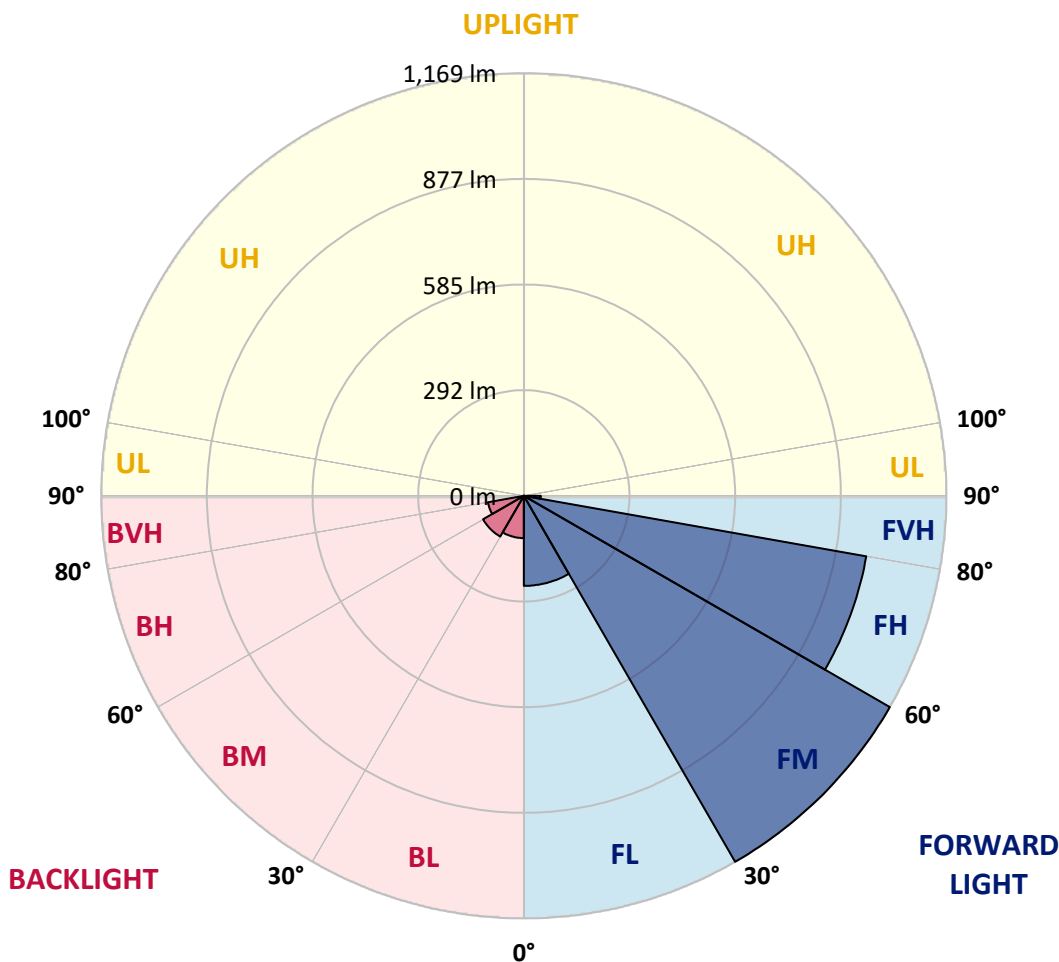


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.2	9.0			
FM (30°-60°)	1169.5	42.1			
FH (60°-80°)	962.3	34.6			G1/1800
FVH (80°-90°)	46.8	1.7			G1/100
BL (0°-30°)	117.0	4.2	B1/500		
BM (30°-60°)	130.2	4.7	B0/220		
BH (60°-80°)	101.0	3.6	B0/110		G0/110
BVH (80°-90°)	1.4	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2
2.5°	651.8	655.1	659.8	666.5	671.2	668.5	670.5	681.9	675.9	681.2	678.5
5°	615.6	619.0	625.7	625.0	630.3	640.4	653.8	668.5	661.8	677.9	683.9
7.5°	578.2	576.8	576.8	590.9	602.2	616.3	623.7	647.7	648.4	662.5	677.2
10°	544.0	548.0	554.7	560.1	570.8	590.9	612.3	631.0	638.4	666.5	670.5
12.5°	523.3	525.3	533.3	538.0	552.1	571.5	594.2	618.3	624.3	653.1	672.5
15°	514.6	519.3	521.9	530.6	538.0	556.1	572.8	600.2	617.6	640.4	664.5
17.5°	521.3	519.3	520.6	523.3	532.0	548.0	566.1	593.5	599.6	637.7	673.8
20°	530.0	530.6	526.6	525.3	523.3	538.7	553.4	588.9	595.6	637.7	679.9
22.5°	553.4	546.0	553.4	542.7	532.0	538.7	552.7	589.5	594.2	637.0	685.9
25°	582.2	583.5	585.5	562.8	547.4	542.7	557.4	591.5	595.6	642.4	688.6
27.5°	623.0	629.0	619.0	607.6	576.8	553.4	556.7	590.2	597.6	639.7	695.3
30°	677.9	673.2	674.5	648.4	618.3	581.5	572.1	593.5	598.9	643.1	708.0
32.5°	725.4	720.0	729.4	720.0	672.5	621.6	590.2	600.2	606.3	651.1	718.7
35°	754.8	761.5	776.2	786.3	746.1	673.8	620.3	618.3	621.0	655.1	726.7
37.5°	800.3	812.4	824.4	849.8	815.0	738.1	667.8	641.7	637.0	674.5	730.7
40°	849.8	846.5	882.0	912.1	910.7	828.4	734.1	683.2	676.5	705.3	757.5
42.5°	891.3	888.0	927.5	977.0	982.3	915.4	809.7	742.1	736.1	752.8	790.3
45°	945.5	948.2	995.0	1053.9	1073.3	1030.5	912.1	826.4	823.1	817.7	852.5
47.5°	993.7	1008.4	1048.6	1118.2	1188.4	1149.6	1032.5	949.5	926.1	914.1	948.9
50°	1027.2	1040.5	1089.4	1163.7	1292.1	1316.9	1167.7	1080.7	1081.4	1051.9	1070.7
52.5°	1027.2	1026.5	1066.0	1163.7	1364.4	1491.6	1348.4	1246.0	1251.3	1220.5	1221.9
55°	928.1	926.1	974.3	1078.0	1356.4	1659.5	1622.0	1455.4	1442.0	1382.5	1388.5
57.5°	747.5	752.1	788.9	913.4	1252.0	1737.8	1947.9	1691.0	1645.5	1522.3	1522.3
60°	545.4	541.4	568.8	655.8	1003.1	1708.4	2215.6	1968.7	1897.1	1638.1	1620.7
62.5°	414.9	414.2	421.6	451.0	636.4	1489.6	2330.7	2322.0	2205.6	1751.9	1727.1
65°	335.2	336.6	346.6	367.4	388.8	1015.8	2269.8	2743.6	2637.2	1921.2	1840.2
67.5°	273.7	277.0	289.1	333.9	329.2	526.0	1933.2	2985.1	3005.2	2179.5	1992.1
70°	210.8	216.1	230.2	293.8	317.2	350.0	1340.3	2864.7	2918.2	2340.1	1900.4
72.5°	143.2	142.5	172.6	238.2	320.5	320.5	746.1	2307.3	2358.1	2157.4	1650.8
75°	77.6	82.3	114.4	180.0	293.8	309.8	424.9	1688.3	1759.9	1677.6	1276.8
77.5°	42.2	42.8	63.6	117.8	244.2	295.8	283.7	1148.3	1176.4	1011.8	699.3
80°	22.1	22.8	33.5	77.0	168.6	274.4	236.2	684.6	657.8	388.1	230.9
82.5°	10.0	10.7	16.7	48.2	107.7	216.1	204.1	330.6	305.1	108.4	70.3
85°	4.0	4.0	7.4	28.8	62.9	106.4	174.7	166.0	138.5	32.8	34.8
87.5°	1.3	1.3	2.0	11.4	25.4	63.6	93.0	87.7	60.2	12.0	18.7
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°	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2
2.5°	675.9	683.2	681.2	679.9	667.2	665.8	664.5	652.4	656.4	646.4	653.1
5°	679.9	683.9	673.2	653.1	635.0	615.0	599.6	588.9	569.5	562.1	560.8
7.5°	675.9	675.9	653.8	621.6	586.2	553.4	511.9	482.5	460.4	443.7	449.7
10°	670.5	662.5	639.7	582.8	518.6	469.1	409.5	366.0	333.2	322.5	315.8
12.5°	670.5	656.4	605.6	528.0	445.0	370.0	299.1	242.2	210.8	192.0	189.4
15°	664.5	643.7	580.8	476.4	373.4	271.7	190.7	141.9	115.1	107.7	105.1
17.5°	665.8	641.1	544.0	415.5	289.7	180.7	116.4	89.7	83.0	79.6	80.3
20°	668.5	641.1	511.2	356.0	208.8	112.4	80.3	75.6	72.3	70.9	71.6
22.5°	677.2	628.3	477.8	295.1	141.2	81.0	70.9	66.2	63.6	61.6	60.9
25°	678.5	626.3	445.7	234.9	97.0	68.3	62.2	56.9	53.5	50.9	50.2
27.5°	676.5	617.6	400.8	174.7	72.9	60.9	52.9	47.5	42.8	40.8	40.1
30°	683.9	601.6	362.7	125.8	61.6	52.9	44.8	38.8	34.8	32.1	32.1
32.5°	684.6	587.5	320.5	89.7	56.2	46.8	38.1	31.5	27.4	26.1	26.1
35°	685.2	574.8	273.7	68.3	50.2	40.1	31.5	26.1	23.4	21.4	21.4
37.5°	687.2	565.4	230.9	57.5	44.8	34.1	26.1	21.4	18.7	18.1	18.1
40°	691.2	552.7	186.0	50.9	38.8	28.8	22.1	18.1	15.4	14.7	14.1
42.5°	701.9	549.4	148.6	45.5	34.8	24.1	18.1	14.7	12.7	11.4	10.7
45°	746.1	558.1	115.1	42.2	29.4	20.1	15.4	12.0	9.4	8.7	8.0
47.5°	818.4	586.9	91.0	37.5	24.8	16.7	12.7	9.4	7.4	6.7	6.0
50°	928.1	652.4	74.3	33.5	20.7	14.1	10.0	7.4	5.4	4.7	4.7
52.5°	1072.0	740.8	64.2	29.4	16.7	12.0	8.0	5.4	4.0	3.3	3.3
55°	1219.2	845.1	60.2	25.4	14.1	10.0	6.0	4.0	2.7	2.0	2.0
57.5°	1354.4	912.7	58.2	20.7	12.0	7.4	4.7	2.7	1.3	0.7	0.7
60°	1438.7	962.3	52.2	16.7	9.4	6.0	3.3	1.3	0.7	0.0	0.0
62.5°	1549.8	1012.4	42.8	12.7	6.7	4.0	2.0	0.7	0.0	0.0	0.0
65°	1696.3	1068.6	33.5	10.0	5.4	2.7	1.3	0.7	0.0	0.0	0.0
67.5°	1766.6	1039.2	22.8	7.4	3.3	1.3	0.7	0.0	0.0	0.0	0.0
70°	1626.1	875.3	16.1	5.4	2.0	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	1367.1	685.9	12.0	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
75°	1007.8	428.9	9.4	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	534.7	159.9	6.7	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	157.9	46.8	4.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	52.2	14.1	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.8	5.4	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.4	2.0	1.3	1.3	0.7	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)