

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: P676962

Luminaire Tested: **CCW-SA-1B-727-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676962
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-727-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

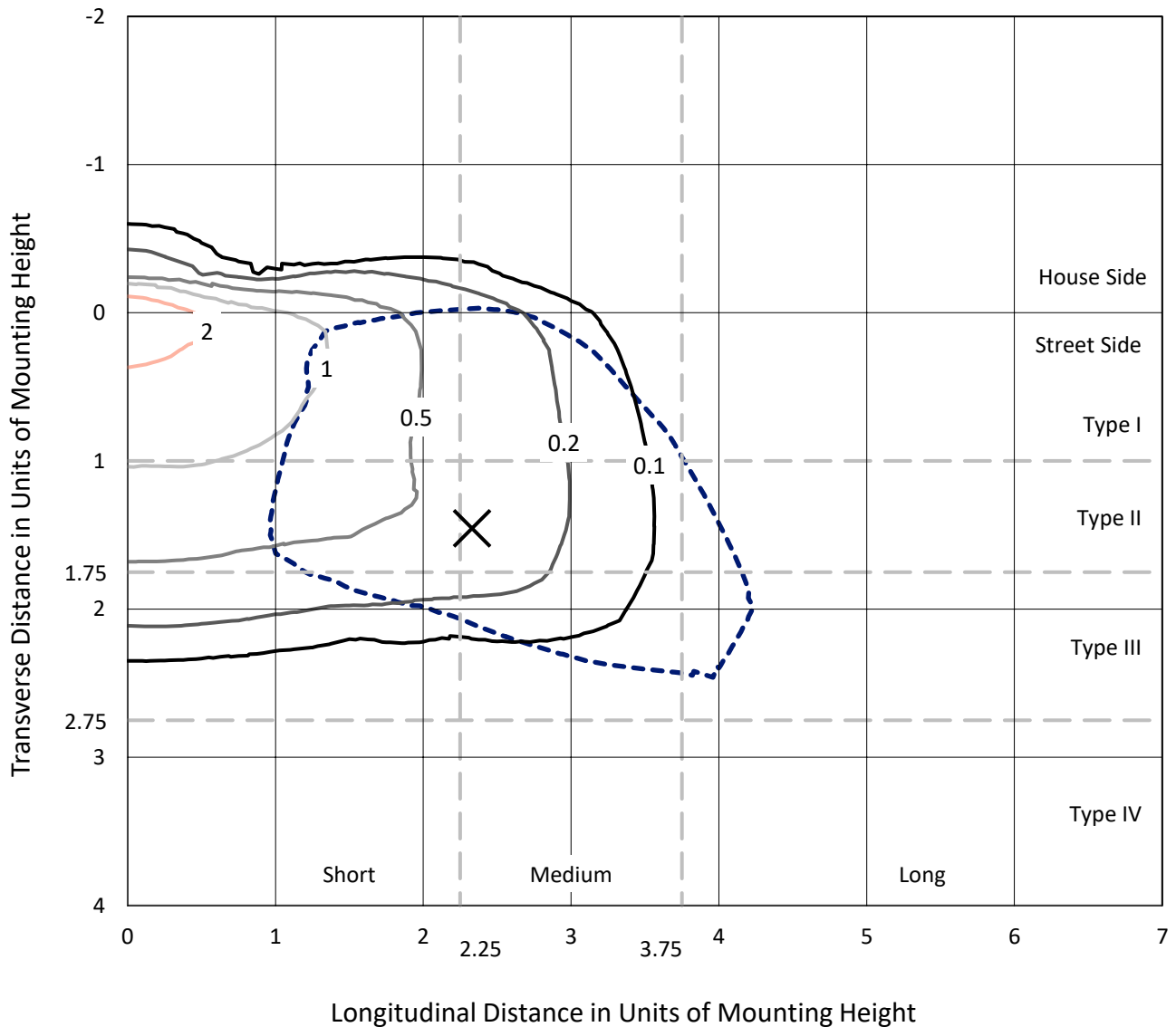
Lumens per Lamp: N/A
Luminaire Lumens: 2386.7 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
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

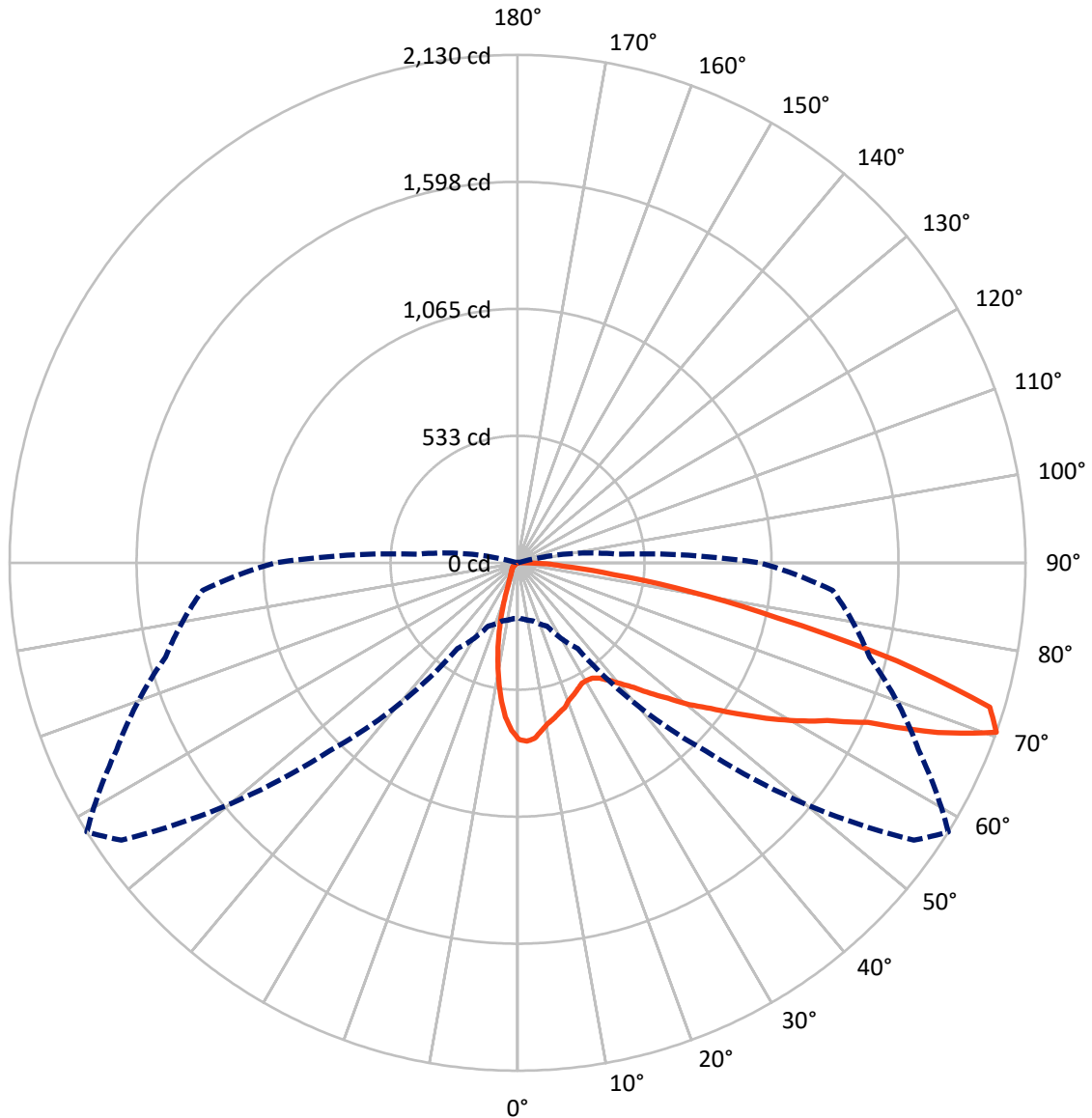
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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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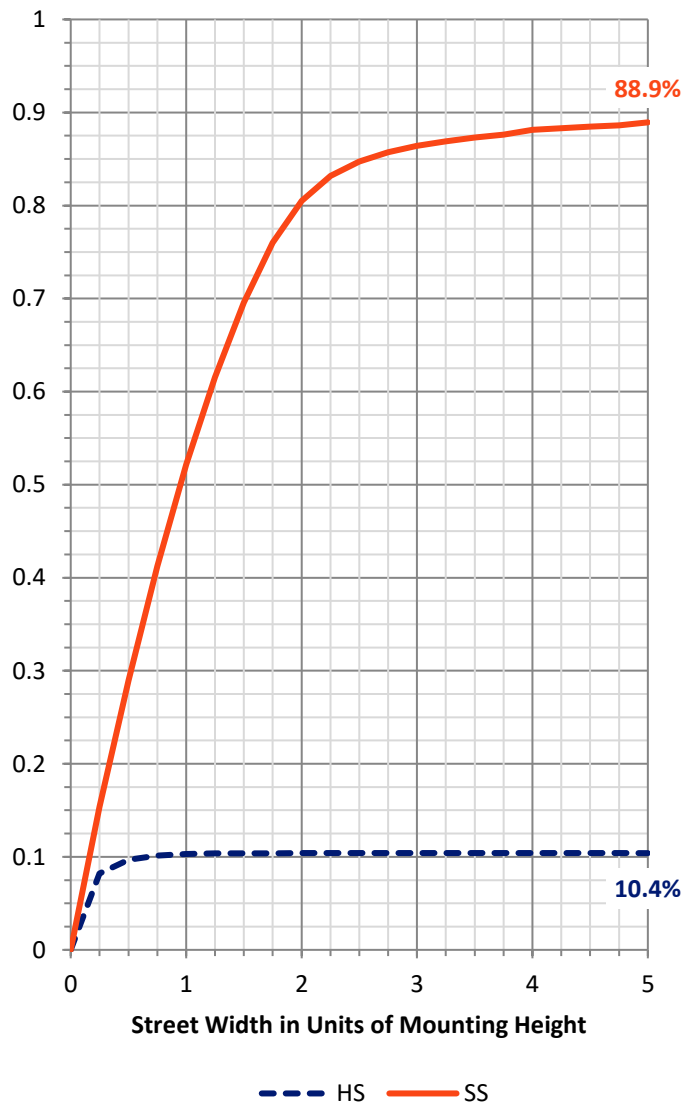
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	249.9	0.0	249.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2136.8	0.0	2136.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	2386.7	0.0	2386.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	2.5
10°-20°	125.9	5.3
20°-30°	168.5	7.1
30°-40°	227.8	9.5
40°-50°	326.9	13.7
50°-60°	481.8	20.2
60°-70°	587.7	24.6
70°-80°	358.9	15.0
80°-90°	48.8	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°	2386.7	100.0
0°-180°	2386.7	100.0

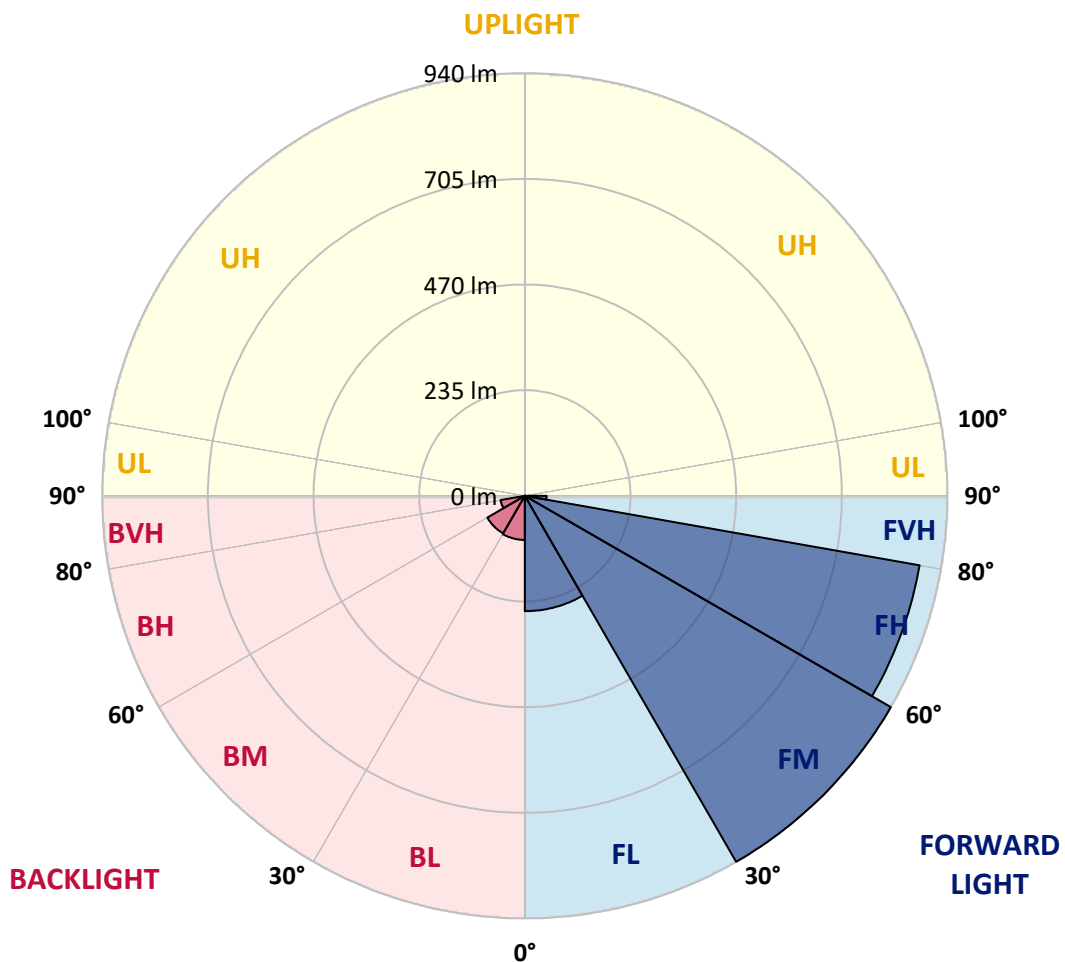


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.6	10.8			
FM (30°-60°)	940.1	39.4			
FH (60°-80°)	891.8	37.4			G1/1800
FVH (80°-90°)	48.3	2.0			G1/100
BL (0°-30°)	98.2	4.1	B0/110		
BM (30°-60°)	96.5	4.0	B0/220		
BH (60°-80°)	54.8	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: B0-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	740.9	740.9	740.9	740.9	740.9	740.9	740.9	740.9	740.9	740.9	740.9
2.5°	754.3	757.1	750.4	758.2	751.0	754.3	750.4	749.3	749.9	750.4	745.9
5°	719.1	725.8	728.6	724.1	734.7	733.1	739.8	740.3	737.5	734.7	735.3
7.5°	672.6	679.3	682.1	684.9	695.6	709.6	718.5	712.9	717.4	727.5	712.4
10°	639.1	637.4	636.8	642.4	662.6	674.3	689.4	687.7	698.9	708.4	696.1
12.5°	597.6	594.3	604.4	608.8	626.7	647.4	659.2	671.5	682.7	692.8	678.8
15°	566.9	569.7	573.6	583.1	596.0	623.4	640.7	652.5	672.6	677.7	672.1
17.5°	542.2	544.5	550.1	555.1	571.3	597.6	625.1	639.1	660.3	673.8	656.4
20°	542.8	536.1	536.1	541.1	550.1	581.4	610.5	615.0	644.1	667.0	655.3
22.5°	543.4	541.1	536.1	535.5	539.4	561.8	591.5	601.6	632.9	659.8	645.8
25°	551.2	542.8	543.4	535.5	537.2	548.4	571.9	587.0	622.8	663.7	640.7
27.5°	557.9	561.8	554.0	550.6	541.1	540.6	560.2	573.0	617.8	672.6	644.1
30°	573.0	575.8	575.8	573.6	564.6	551.8	556.2	572.5	607.7	671.0	638.5
32.5°	598.2	593.2	599.9	596.5	584.8	564.6	568.5	576.9	613.9	692.2	647.4
35°	606.6	610.5	619.5	612.2	608.3	596.5	588.7	594.8	622.8	713.5	660.9
37.5°	632.3	626.7	632.9	649.1	653.0	631.8	616.7	625.6	656.4	738.7	673.2
40°	634.6	639.1	650.2	682.1	686.1	677.1	664.8	667.0	690.0	771.1	704.0
42.5°	645.8	650.8	673.8	700.6	721.9	723.6	714.6	714.6	734.2	823.2	738.1
45°	667.6	659.2	688.9	734.2	765.0	771.1	782.9	780.1	795.7	878.0	801.9
47.5°	676.0	678.8	711.2	766.1	801.3	829.9	849.5	850.0	857.9	948.0	884.7
50°	703.4	702.8	742.0	792.9	845.0	897.0	935.1	935.1	934.5	1016.2	955.8
52.5°	739.8	738.7	768.9	829.3	897.0	962.5	1012.9	1014.5	1027.4	1100.2	1037.5
55°	799.1	794.1	823.2	867.9	949.1	1028.5	1115.8	1116.4	1106.3	1160.0	1096.2
57.5°	848.9	848.3	872.4	915.5	1007.3	1113.6	1214.9	1230.0	1198.1	1221.6	1143.2
60°	836.0	843.3	893.1	956.9	1068.8	1219.9	1321.8	1345.3	1294.3	1263.6	1178.5
62.5°	756.0	772.8	827.1	928.9	1120.9	1374.4	1468.9	1458.3	1344.7	1299.4	1221.6
65°	543.9	560.7	627.9	780.6	1060.4	1483.5	1662.6	1614.4	1434.2	1352.5	1279.2
67.5°	320.1	326.8	368.8	498.0	792.9	1424.2	1897.6	1901.5	1610.5	1434.2	1378.8
70°	231.1	236.1	252.4	293.8	439.3	1116.4	2028.5	2130.4	1855.1	1528.2	1326.2
72.5°	177.4	177.4	204.8	244.5	279.8	668.7	1866.8	2071.1	1908.2	1438.2	1068.8
75°	127.6	130.9	160.6	210.4	258.0	335.8	1375.5	1643.5	1617.2	1165.6	746.5
77.5°	73.3	75.0	113.0	176.3	242.3	230.6	850.0	1114.1	1145.5	729.7	323.4
80°	37.5	38.6	63.2	139.3	219.4	200.9	507.0	733.6	622.3	212.1	75.0
82.5°	18.5	18.5	28.5	89.0	186.3	178.0	298.3	405.1	220.5	48.7	31.3
85°	6.2	6.7	12.9	50.4	134.9	107.4	182.4	192.5	73.9	18.5	17.3
87.5°	1.7	2.2	3.4	18.5	58.8	70.5	108.6	123.1	30.2	7.3	8.4
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°	740.9	740.9	740.9	740.9	740.9	740.9	740.9	740.9	740.9	740.9	740.9
2.5°	729.1	725.2	720.8	709.6	700.6	688.9	681.0	674.9	663.1	665.4	660.3
5°	721.9	714.6	688.9	664.2	641.9	607.7	584.2	569.1	556.8	544.5	553.4
7.5°	709.0	691.7	651.4	605.5	557.9	513.1	468.4	441.5	421.9	404.0	403.5
10°	687.2	659.2	596.0	536.1	462.8	404.0	346.9	302.2	273.1	251.8	251.3
12.5°	662.6	633.5	554.0	456.6	372.1	289.3	221.0	173.5	146.1	129.3	127.0
15°	646.9	604.4	501.4	386.1	281.5	188.6	122.6	92.9	82.3	78.3	78.3
17.5°	626.7	578.1	449.4	312.8	195.3	109.1	79.5	71.6	71.1	69.9	68.8
20°	618.4	557.9	402.9	249.6	123.7	77.2	68.3	66.6	66.6	65.5	64.4
22.5°	596.0	528.8	353.7	183.0	82.3	67.7	64.4	62.1	61.0	59.9	61.0
25°	585.9	508.1	307.2	126.5	67.2	60.4	58.8	56.5	54.8	54.3	54.3
27.5°	579.2	487.4	261.9	87.9	59.3	55.4	52.0	50.4	48.1	45.9	45.9
30°	574.1	471.2	218.2	64.9	53.2	49.2	46.4	42.5	39.7	37.5	37.5
32.5°	567.4	452.2	174.6	55.4	48.1	44.2	39.2	35.8	31.9	30.2	30.2
35°	569.7	439.3	137.1	49.2	43.1	38.1	33.6	29.1	25.2	23.5	22.9
37.5°	574.1	429.8	104.1	44.2	38.6	33.0	28.0	22.9	20.7	18.5	18.5
40°	593.2	427.0	76.7	40.9	35.3	29.1	23.5	19.0	16.8	15.1	14.5
42.5°	625.1	430.9	59.3	36.9	31.9	24.6	19.6	15.7	13.4	11.8	11.2
45°	665.9	446.0	48.7	34.7	28.0	20.7	15.7	12.9	10.1	9.0	9.0
47.5°	725.2	469.5	42.5	31.9	24.6	17.3	13.4	10.1	7.8	6.7	6.7
50°	792.4	496.4	37.5	28.5	21.3	14.5	10.6	7.8	5.6	5.0	5.0
52.5°	859.5	530.5	34.7	26.3	18.5	11.8	8.4	5.6	3.9	3.4	3.4
55°	930.0	560.7	31.3	24.6	15.1	9.5	6.2	3.4	2.2	1.7	1.7
57.5°	979.3	572.5	27.4	21.3	11.8	7.3	4.5	2.2	1.1	0.6	0.6
60°	1014.5	574.1	23.5	17.3	9.0	5.6	2.8	1.1	0.6	0.0	0.0
62.5°	1044.2	577.5	20.1	13.4	6.7	3.9	1.7	0.6	0.0	0.0	0.0
65°	1103.0	574.7	16.2	10.6	4.5	2.2	1.1	0.0	0.0	0.0	0.0
67.5°	1149.4	546.7	12.9	7.3	2.8	1.1	0.6	0.0	0.0	0.0	0.0
70°	1016.8	416.9	10.1	5.0	1.7	0.6	0.0	0.0	0.0	0.0	0.0
72.5°	798.5	278.1	6.7	2.8	1.1	0.6	0.0	0.0	0.0	0.0	0.0
75°	523.8	138.2	5.0	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	203.7	36.4	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	49.2	12.3	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.3	4.5	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.9	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	1.1	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)