

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: P676829

Luminaire Tested: **CCW-SA-1B-730-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676829
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-730-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) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

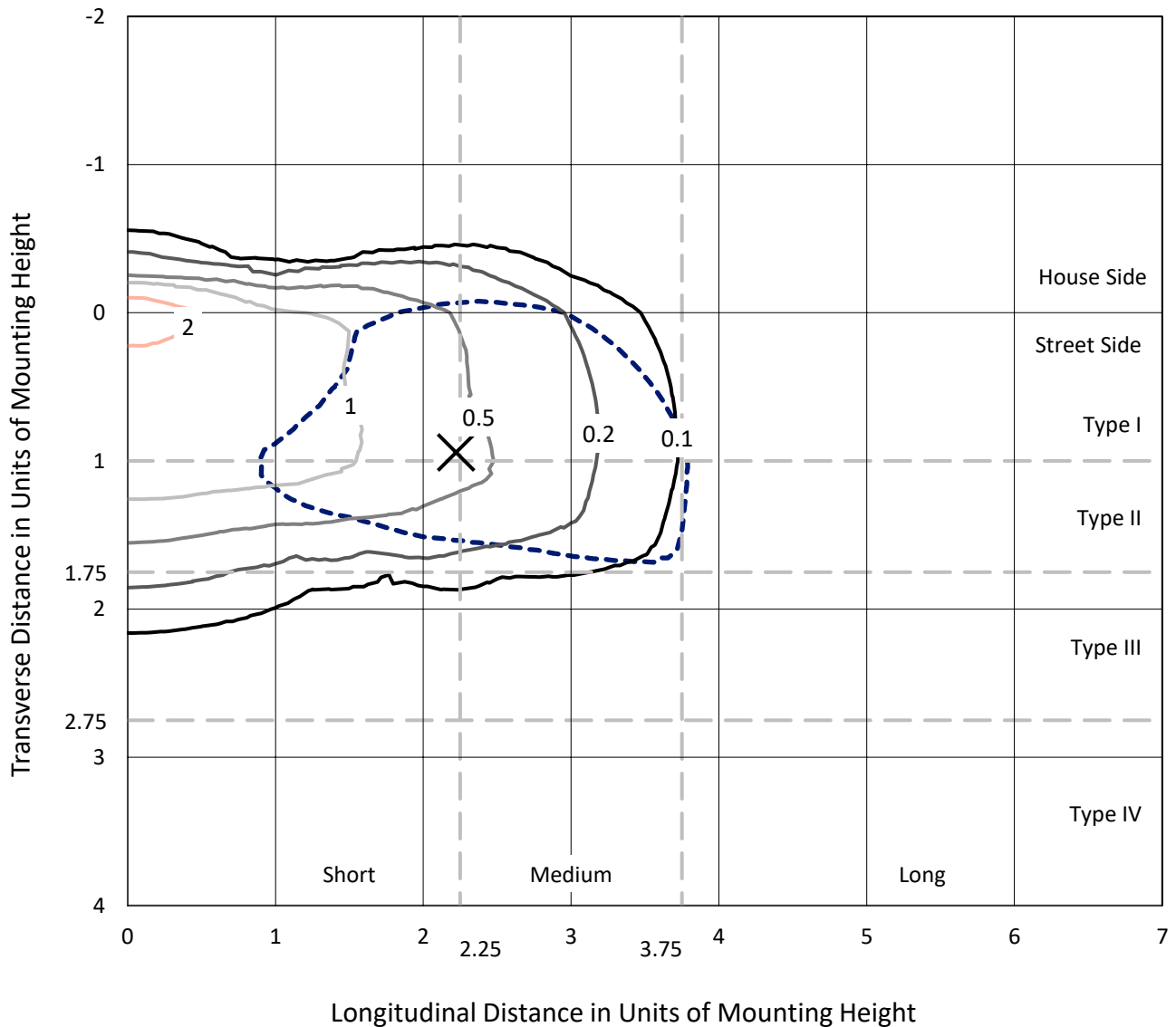
Lumens per Lamp: N/A
Luminaire Lumens: 2528.9 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

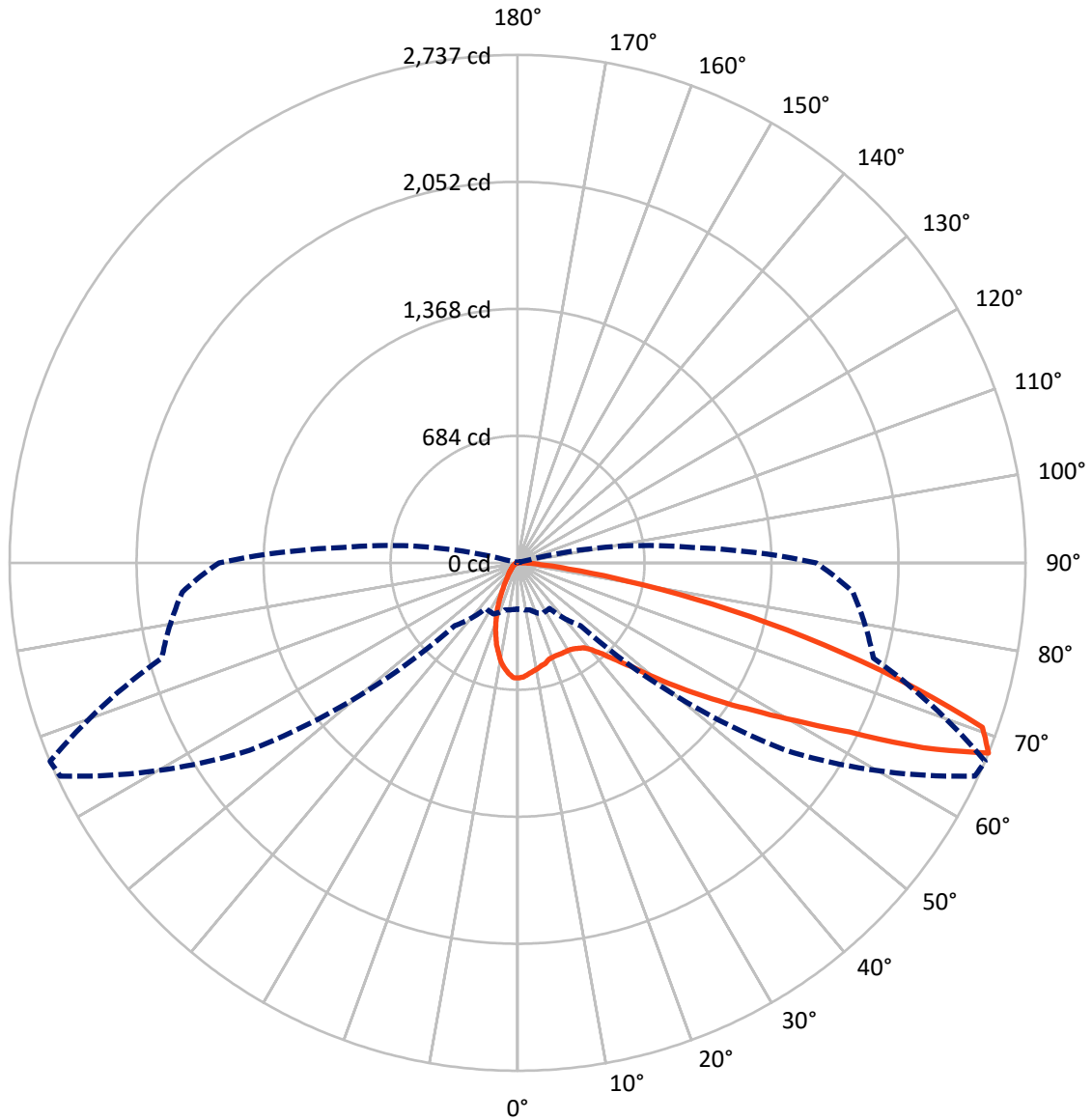
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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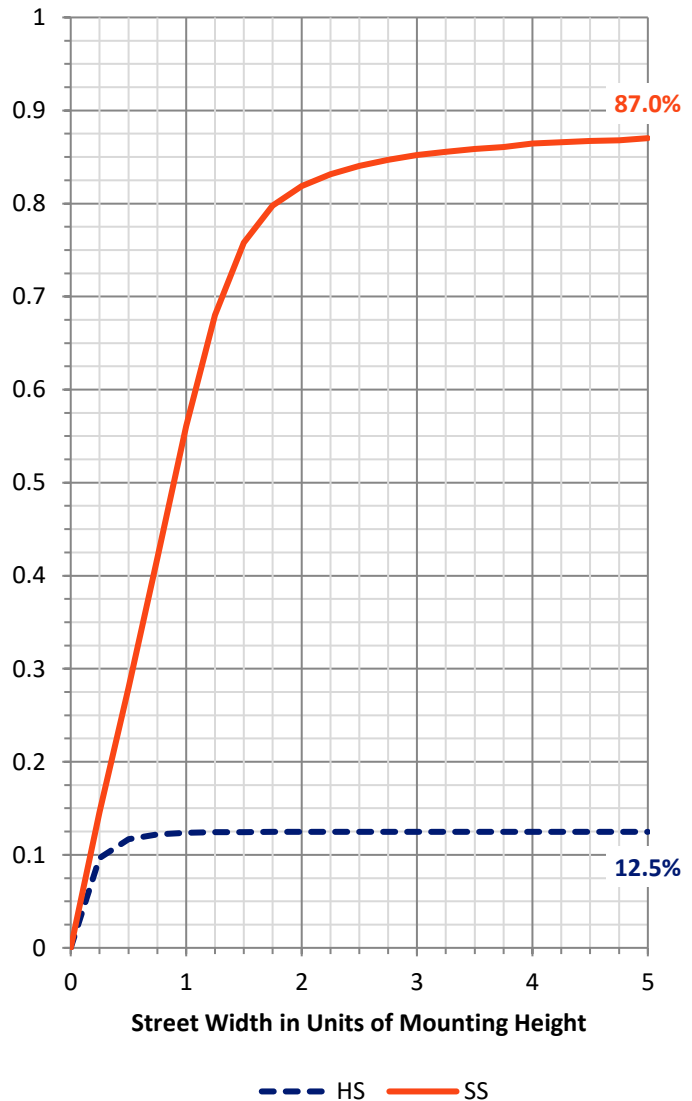
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	318.3	0.0	318.3
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2210.7	0.0	2210.7
	% Fixture	87.4	0.0	87.4
Total	Lumens	2528.9	0.0	2528.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	2.1
10°-20°	116.1	4.6
20°-30°	165.1	6.5
30°-40°	240.4	9.5
40°-50°	372.1	14.7
50°-60°	571.0	22.6
60°-70°	619.0	24.5
70°-80°	349.2	13.8
80°-90°	43.9	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°	2528.9	100.0
0°-180°	2528.9	100.0

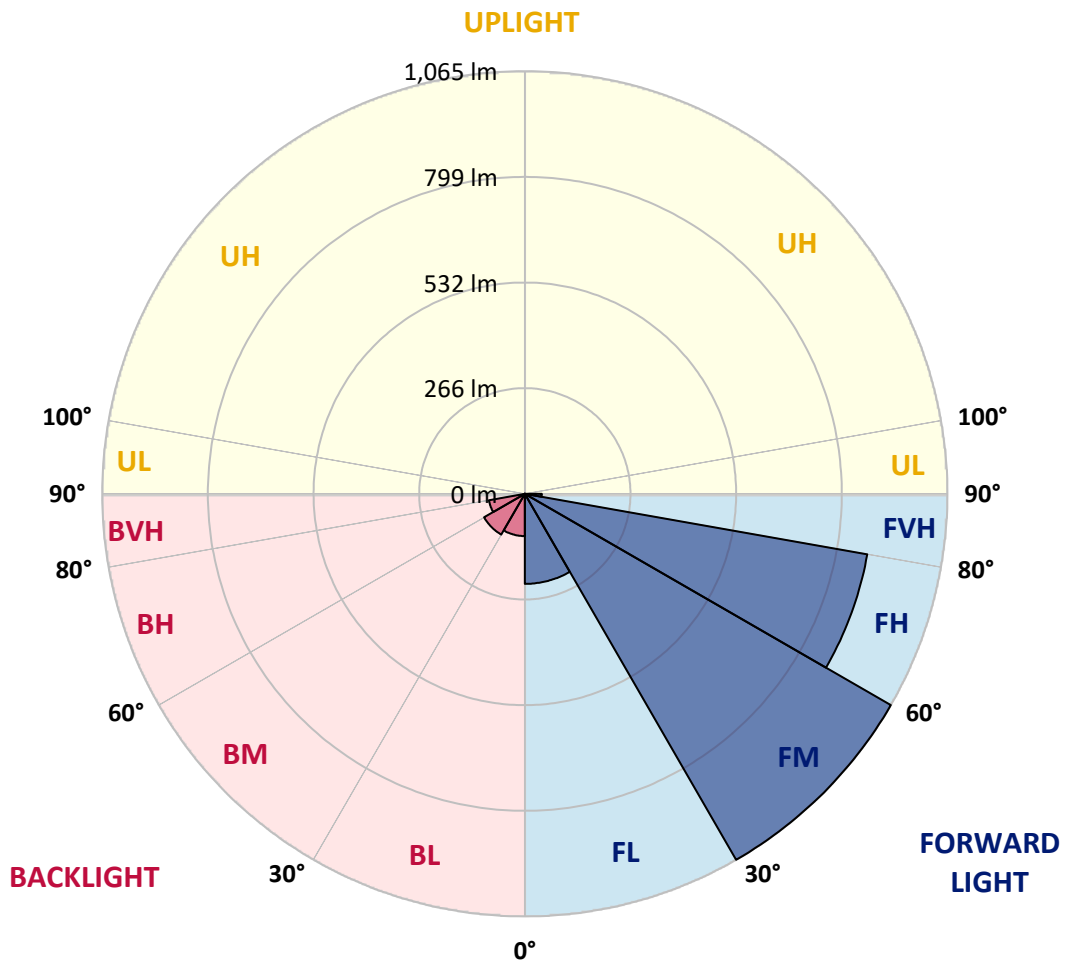


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.9	9.0			
FM (30°-60°)	1064.9	42.1			
FH (60°-80°)	876.2	34.6			G1/1800
FVH (80°-90°)	42.6	1.7			G1/100
BL (0°-30°)	106.5	4.2	B0/110		
BM (30°-60°)	118.5	4.7	B0/220		
BH (60°-80°)	91.9	3.6	B0/110		G0/110
BVH (80°-90°)	1.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3
2.5°	593.5	596.5	600.8	606.9	611.2	608.7	610.6	620.9	615.4	620.3	617.9
5°	560.6	563.6	569.7	569.1	574.0	583.1	595.3	608.7	602.6	617.3	622.7
7.5°	526.5	525.2	525.2	538.0	548.4	561.2	567.9	589.8	590.4	603.2	616.6
10°	495.4	499.0	505.1	510.0	519.8	538.0	557.5	574.6	581.3	606.9	610.6
12.5°	476.5	478.3	485.6	489.9	502.7	520.4	541.1	563.0	568.5	594.7	612.4
15°	468.6	472.8	475.3	483.2	489.9	506.4	521.6	546.6	562.4	583.1	605.1
17.5°	474.7	472.8	474.1	476.5	484.4	499.0	515.5	540.5	546.0	580.7	613.6
20°	482.6	483.2	479.5	478.3	476.5	490.5	503.9	536.2	542.3	580.7	619.1
22.5°	503.9	497.2	503.9	494.2	484.4	490.5	503.3	536.8	541.1	580.1	624.6
25°	530.1	531.3	533.2	512.5	498.4	494.2	507.6	538.7	542.3	585.0	627.0
27.5°	567.3	572.8	563.6	553.3	525.2	503.9	507.0	537.4	544.1	582.5	633.1
30°	617.3	613.0	614.2	590.4	563.0	529.5	521.0	540.5	545.4	585.6	644.7
32.5°	660.5	655.6	664.2	655.6	612.4	566.1	537.4	546.6	552.1	592.9	654.4
35°	687.3	693.4	706.8	716.0	679.4	613.6	564.9	563.0	565.5	596.5	661.7
37.5°	728.8	739.7	750.7	773.9	742.2	672.1	608.1	584.4	580.1	614.2	665.4
40°	773.9	770.8	803.1	830.5	829.3	754.4	668.4	622.1	616.0	642.2	689.8
42.5°	811.6	808.6	844.5	889.6	894.5	833.6	737.3	675.8	670.3	685.5	719.6
45°	861.0	863.4	906.1	959.7	977.4	938.4	830.5	752.5	749.5	744.6	776.3
47.5°	904.9	918.3	954.8	1018.2	1082.2	1046.8	940.2	864.6	843.3	832.4	864.0
50°	935.3	947.5	992.0	1059.6	1176.6	1199.2	1063.3	984.1	984.7	957.9	974.9
52.5°	935.3	934.7	970.7	1059.6	1242.4	1358.2	1227.8	1134.6	1139.5	1111.4	1112.6
55°	845.2	843.3	887.2	981.6	1235.1	1511.2	1477.0	1325.3	1313.1	1258.9	1264.4
57.5°	680.6	684.9	718.4	831.7	1140.1	1582.4	1773.8	1539.8	1498.4	1386.2	1386.2
60°	496.6	493.0	517.9	597.2	913.4	1555.6	2017.5	1792.7	1727.5	1491.7	1475.8
62.5°	377.8	377.2	383.9	410.7	579.5	1356.4	2122.3	2114.4	2008.4	1595.2	1572.7
65°	305.3	306.5	315.6	334.5	354.0	925.0	2066.9	2498.3	2401.4	1749.4	1675.7
67.5°	249.2	252.3	263.2	304.1	299.8	478.9	1760.4	2718.3	2736.5	1984.6	1814.0
70°	191.9	196.8	209.6	267.5	288.8	318.7	1220.5	2608.6	2657.3	2130.9	1730.5
72.5°	130.4	129.8	157.2	216.9	291.9	291.9	679.4	2101.0	2147.3	1964.5	1503.2
75°	70.7	74.9	104.2	163.9	267.5	282.1	386.9	1537.4	1602.6	1527.6	1162.6
77.5°	38.4	39.0	57.9	107.2	222.4	269.3	258.4	1045.6	1071.2	921.3	636.8
80°	20.1	20.7	30.5	70.1	153.6	249.8	215.1	623.4	599.0	353.4	210.2
82.5°	9.1	9.7	15.2	43.9	98.1	196.8	185.8	301.0	277.9	98.7	64.0
85°	3.7	3.7	6.7	26.2	57.3	96.9	159.0	151.1	126.1	29.9	31.7
87.5°	1.2	1.2	1.8	10.4	23.2	57.9	84.7	79.8	54.8	11.0	17.1
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°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3
2.5°	615.4	622.1	620.3	619.1	607.5	606.3	605.1	594.1	597.8	588.6	594.7
5°	619.1	622.7	613.0	594.7	578.3	560.0	546.0	536.2	518.5	511.8	510.6
7.5°	615.4	615.4	595.3	566.1	533.8	503.9	466.1	439.3	419.2	404.0	409.5
10°	610.6	603.2	582.5	530.7	472.2	427.1	372.9	333.3	303.4	293.7	287.6
12.5°	610.6	597.8	551.5	480.8	405.2	337.0	272.4	220.6	191.9	174.9	172.4
15°	605.1	586.2	528.9	433.8	340.0	247.4	173.7	129.2	104.8	98.1	95.7
17.5°	606.3	583.7	495.4	378.4	263.8	164.5	106.0	81.7	75.6	72.5	73.1
20°	608.7	583.7	465.5	324.2	190.1	102.4	73.1	68.9	65.8	64.6	65.2
22.5°	616.6	572.2	435.1	268.7	128.6	73.7	64.6	60.3	57.9	56.1	55.4
25°	617.9	570.3	405.8	213.9	88.4	62.2	56.7	51.8	48.7	46.3	45.7
27.5°	616.0	562.4	365.0	159.0	66.4	55.4	48.1	43.3	39.0	37.2	36.6
30°	622.7	547.8	330.3	114.6	56.1	48.1	40.8	35.3	31.7	29.2	29.2
32.5°	623.4	535.0	291.9	81.7	51.2	42.7	34.7	28.6	25.0	23.8	23.8
35°	624.0	523.4	249.2	62.2	45.7	36.6	28.6	23.8	21.3	19.5	19.5
37.5°	625.8	514.9	210.2	52.4	40.8	31.1	23.8	19.5	17.1	16.5	16.5
40°	629.4	503.3	169.4	46.3	35.3	26.2	20.1	16.5	14.0	13.4	12.8
42.5°	639.2	500.3	135.3	41.4	31.7	21.9	16.5	13.4	11.6	10.4	9.7
45°	679.4	508.2	104.8	38.4	26.8	18.3	14.0	11.0	8.5	7.9	7.3
47.5°	745.2	534.4	82.9	34.1	22.5	15.2	11.6	8.5	6.7	6.1	5.5
50°	845.2	594.1	67.6	30.5	18.9	12.8	9.1	6.7	4.9	4.3	4.3
52.5°	976.2	674.5	58.5	26.8	15.2	11.0	7.3	4.9	3.7	3.0	3.0
55°	1110.2	769.6	54.8	23.2	12.8	9.1	5.5	3.7	2.4	1.8	1.8
57.5°	1233.3	831.1	53.0	18.9	11.0	6.7	4.3	2.4	1.2	0.6	0.6
60°	1310.1	876.2	47.5	15.2	8.5	5.5	3.0	1.2	0.6	0.0	0.0
62.5°	1411.2	921.9	39.0	11.6	6.1	3.7	1.8	0.6	0.0	0.0	0.0
65°	1544.7	973.1	30.5	9.1	4.9	2.4	1.2	0.6	0.0	0.0	0.0
67.5°	1608.7	946.3	20.7	6.7	3.0	1.2	0.6	0.0	0.0	0.0	0.0
70°	1480.7	797.0	14.6	4.9	1.8	0.6	0.6	0.0	0.0	0.0	0.0
72.5°	1244.9	624.6	11.0	3.0	1.2	0.6	0.0	0.0	0.0	0.0	0.0
75°	917.7	390.6	8.5	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	486.9	145.6	6.1	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	143.8	42.7	4.3	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.5	12.8	2.4	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.4	4.9	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.0	1.8	1.2	1.2	0.6	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)