

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: P673739

Luminaire Tested: **CCP-SA-1B-830-U-SL2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673739
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-830-U-SL2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ SL2 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

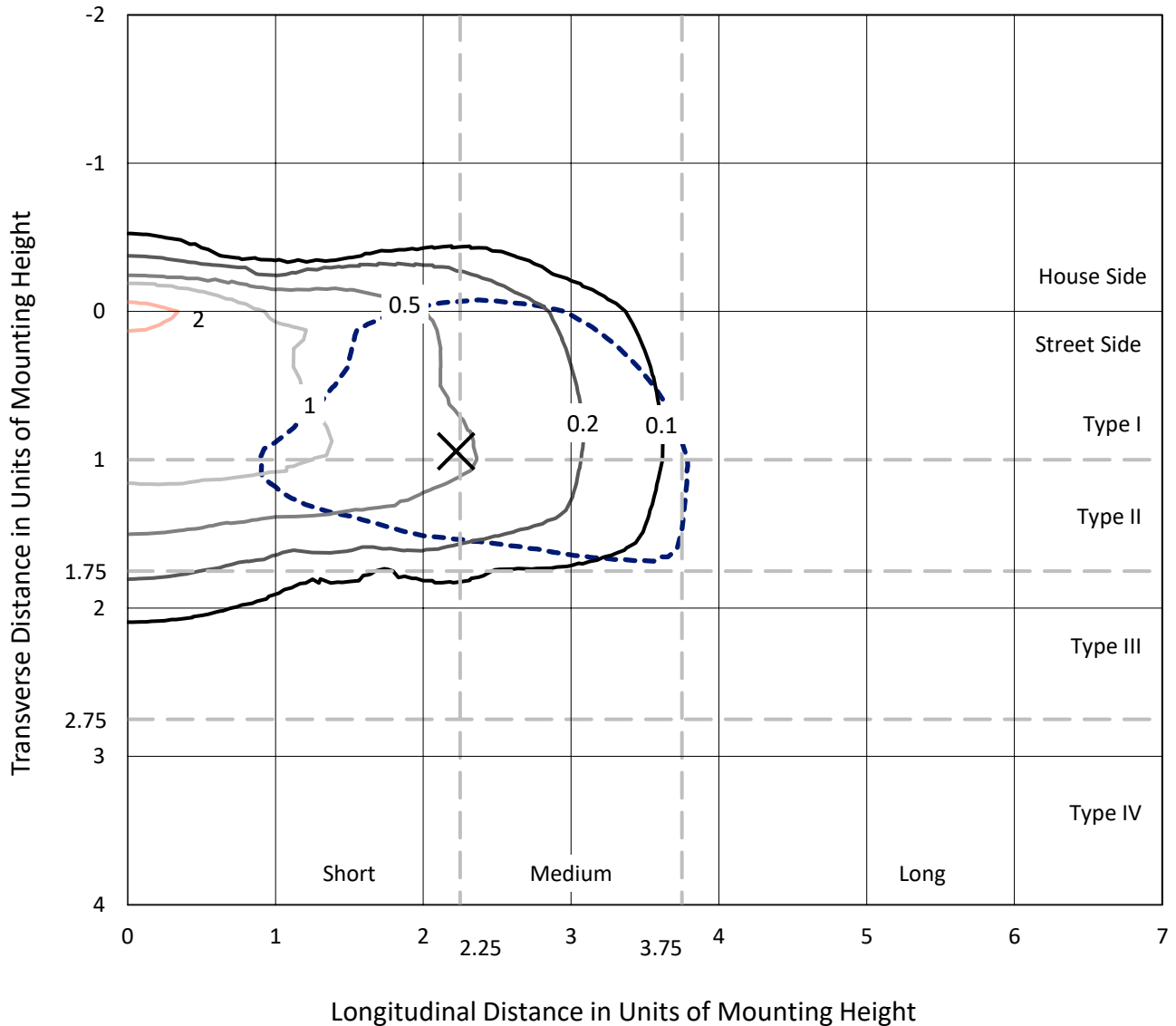
Lumens per Lamp: N/A
Luminaire Lumens: 2206.8 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
Input Voltage (V): 120
Input Current (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

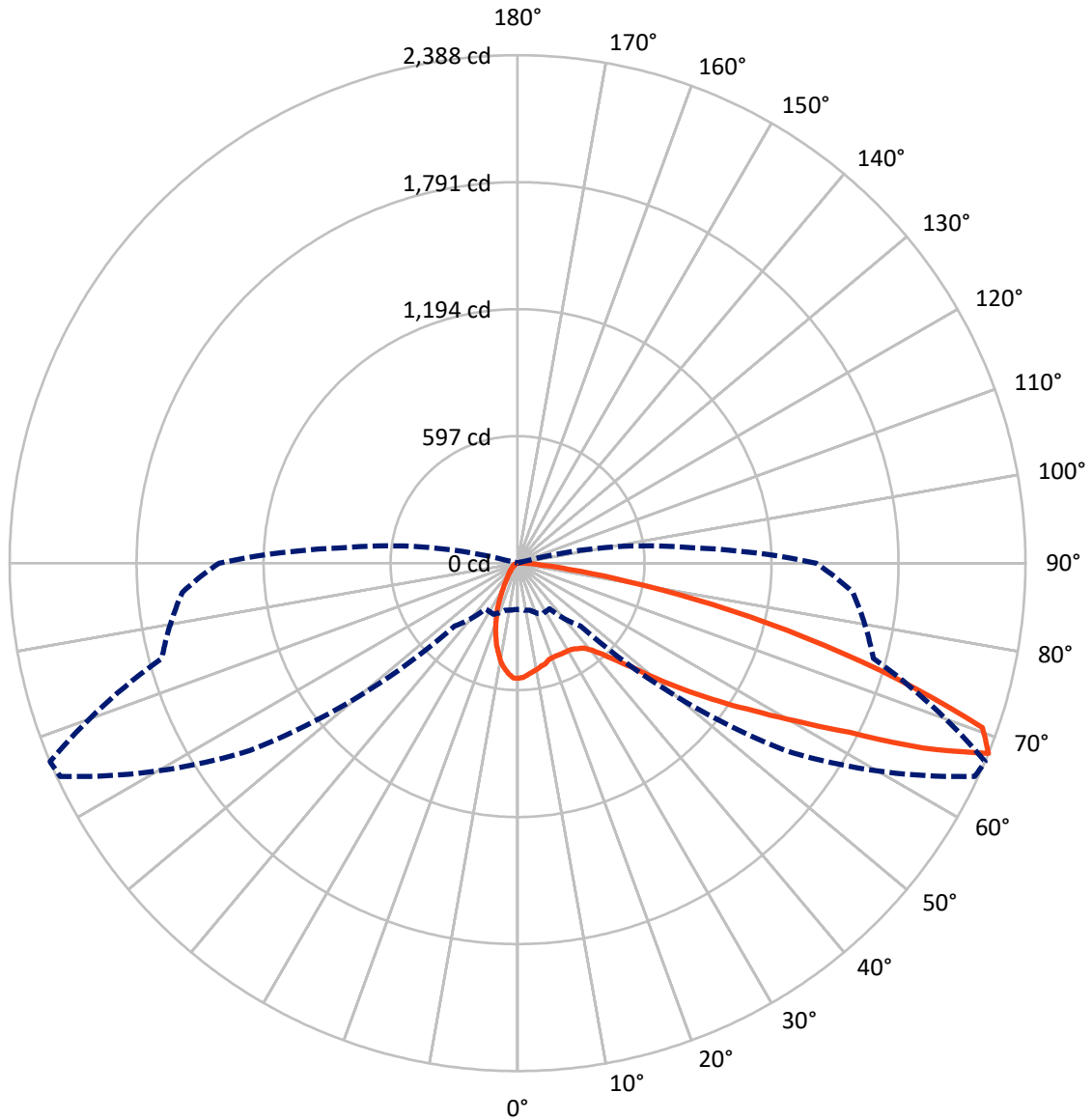
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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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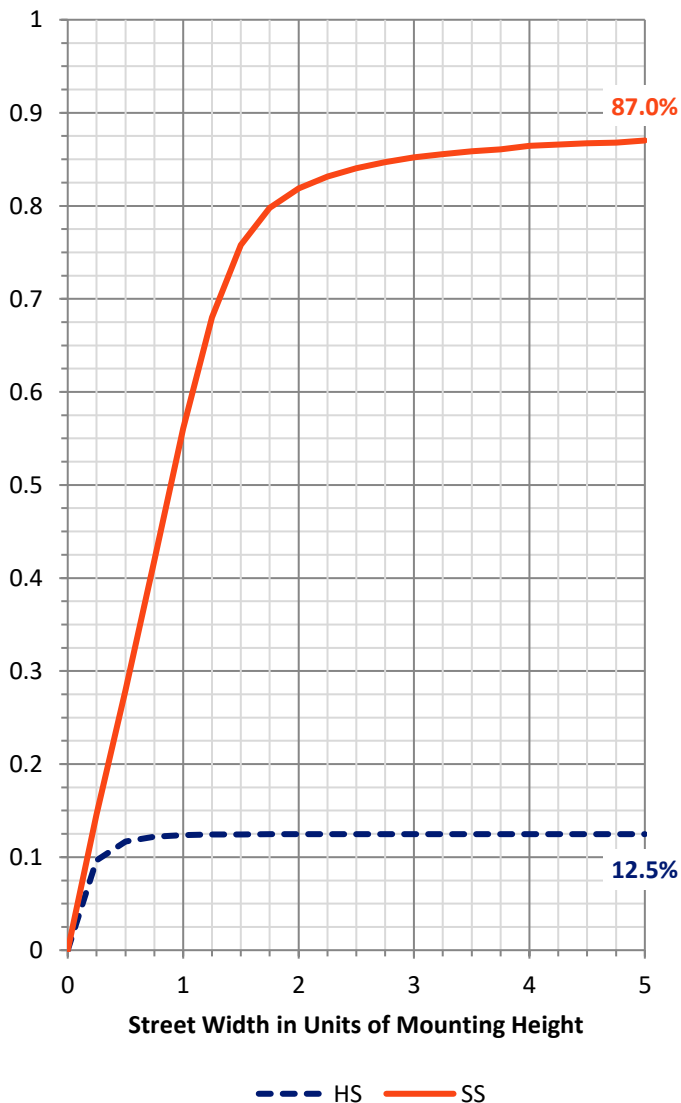
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	277.7	0.0	277.7
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	1929.1	0.0	1929.1
	% Fixture	87.4	0.0	87.4
Total	Lumens	2206.8	0.0	2206.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	2.1
10°-20°	101.3	4.6
20°-30°	144.1	6.5
30°-40°	209.8	9.5
40°-50°	324.7	14.7
50°-60°	498.3	22.6
60°-70°	540.1	24.5
70°-80°	304.7	13.8
80°-90°	38.3	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°	2206.8	100.0
0°-180°	2206.8	100.0



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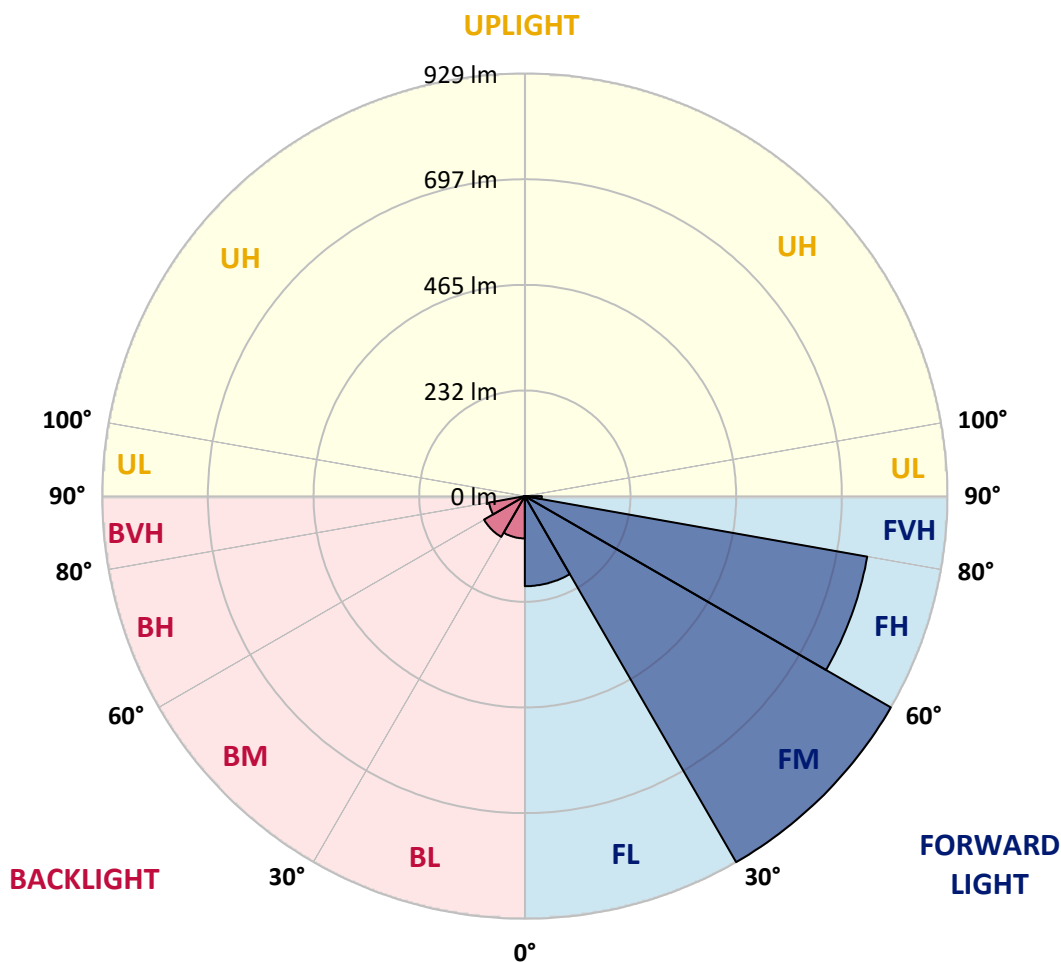
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.0	9.0			
FM (30°-60°)	929.3	42.1			
FH (60°-80°)	764.6	34.6			G1/1800
FVH (80°-90°)	37.2	1.7			G1/100
BL (0°-30°)	93.0	4.2	B0/110		
BM (30°-60°)	103.4	4.7	B0/220		
BH (60°-80°)	80.2	3.6	B0/110		G0/110
BVH (80°-90°)	1.1	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°	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3
2.5°	517.9	520.5	524.3	529.6	533.3	531.2	532.8	541.8	537.0	541.3	539.2
5°	489.2	491.8	497.2	496.6	500.9	508.9	519.5	531.2	525.9	538.6	543.4
7.5°	459.4	458.3	458.3	469.5	478.5	489.7	495.6	514.7	515.2	526.4	538.1
10°	432.3	435.5	440.8	445.0	453.6	469.5	486.5	501.4	507.3	529.6	532.8
12.5°	415.8	417.4	423.8	427.5	438.7	454.1	472.2	491.3	496.1	519.0	534.4
15°	408.9	412.6	414.7	421.6	427.5	441.9	455.1	476.9	490.8	508.9	528.0
17.5°	414.2	412.6	413.7	415.8	422.7	435.5	449.8	471.6	476.4	506.7	535.4
20°	421.1	421.6	418.5	417.4	415.8	428.0	439.7	467.9	473.2	506.7	540.2
22.5°	439.7	433.9	439.7	431.2	422.7	428.0	439.2	468.4	472.2	506.2	545.0
25°	462.6	463.7	465.3	447.2	434.9	431.2	442.9	470.0	473.2	510.4	547.1
27.5°	495.0	499.8	491.8	482.8	458.3	439.7	442.4	469.0	474.8	508.3	552.5
30°	538.6	534.9	536.0	515.2	491.3	462.1	454.6	471.6	475.9	511.0	562.6
32.5°	576.4	572.1	579.6	572.1	534.4	494.0	469.0	476.9	481.7	517.4	571.1
35°	599.8	605.1	616.8	624.8	592.9	535.4	492.9	491.3	493.4	520.5	577.4
37.5°	635.9	645.5	655.1	675.3	647.6	586.5	530.7	509.9	506.2	536.0	580.6
40°	675.3	672.6	700.8	724.7	723.7	658.3	583.3	542.9	537.6	560.4	601.9
42.5°	708.2	705.6	737.0	776.3	780.6	727.4	643.4	589.7	584.9	598.2	628.0
45°	751.3	753.4	790.7	837.5	852.9	818.8	724.7	656.7	654.0	649.8	677.4
47.5°	789.6	801.3	833.2	888.5	944.3	913.5	820.4	754.5	735.9	726.3	754.0
50°	816.2	826.8	865.6	924.7	1026.7	1046.4	927.8	858.7	859.3	835.9	850.7
52.5°	816.2	815.7	847.0	924.7	1084.2	1185.2	1071.4	990.1	994.3	969.8	970.9
55°	737.5	735.9	774.2	856.6	1077.8	1318.7	1288.9	1156.5	1145.8	1098.5	1103.3
57.5°	593.9	597.6	626.9	725.8	994.8	1380.9	1547.8	1343.6	1307.5	1209.7	1209.7
60°	433.3	430.2	452.0	521.1	797.0	1357.5	1760.5	1564.3	1507.4	1301.6	1287.8
62.5°	329.7	329.1	335.0	358.4	505.7	1183.6	1852.0	1845.0	1752.5	1392.0	1372.4
65°	266.4	267.5	275.4	291.9	308.9	807.1	1803.6	2180.0	2095.5	1526.6	1462.2
67.5°	217.5	220.1	229.7	265.3	261.6	417.9	1536.1	2372.0	2387.9	1731.8	1582.9
70°	167.5	171.7	182.9	233.4	252.0	278.1	1065.0	2276.3	2318.8	1859.4	1510.1
72.5°	113.8	113.3	137.2	189.3	254.7	254.7	592.9	1833.4	1873.8	1714.2	1311.7
75°	61.7	65.4	90.9	143.0	233.4	246.2	337.6	1341.5	1398.4	1333.0	1014.5
77.5°	33.5	34.0	50.5	93.6	194.1	235.0	225.4	912.4	934.8	804.0	555.6
80°	17.5	18.1	26.6	61.1	134.0	218.0	187.7	543.9	522.7	308.4	183.4
82.5°	8.0	8.5	13.3	38.3	85.6	171.7	162.2	262.7	242.5	86.1	55.8
85°	3.2	3.2	5.8	22.9	50.0	84.5	138.8	131.9	110.1	26.1	27.6
87.5°	1.1	1.1	1.6	9.0	20.2	50.5	73.9	69.7	47.9	9.6	14.9
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°	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3
2.5°	537.0	542.9	541.3	540.2	530.1	529.1	528.0	518.4	521.6	513.6	519.0
5°	540.2	543.4	534.9	519.0	504.6	488.6	476.4	467.9	452.5	446.6	445.6
7.5°	537.0	537.0	519.5	494.0	465.8	439.7	406.8	383.4	365.8	352.5	357.3
10°	532.8	526.4	508.3	463.1	412.1	372.7	325.4	290.8	264.8	256.3	251.0
12.5°	532.8	521.6	481.2	419.5	353.6	294.0	237.7	192.5	167.5	152.6	150.5
15°	528.0	511.5	461.5	378.6	296.7	215.9	151.5	112.7	91.5	85.6	83.5
17.5°	529.1	509.4	432.3	330.2	230.2	143.6	92.5	71.2	65.9	63.3	63.8
20°	531.2	509.4	406.2	282.9	165.9	89.3	63.8	60.1	57.4	56.4	56.9
22.5°	538.1	499.3	379.6	234.5	112.2	64.3	56.4	52.6	50.5	48.9	48.4
25°	539.2	497.7	354.1	186.6	77.1	54.2	49.4	45.2	42.5	40.4	39.9
27.5°	537.6	490.8	318.5	138.8	58.0	48.4	42.0	37.8	34.0	32.4	31.9
30°	543.4	478.0	288.2	100.0	48.9	42.0	35.6	30.8	27.6	25.5	25.5
32.5°	543.9	466.8	254.7	71.2	44.7	37.2	30.3	25.0	21.8	20.7	20.7
35°	544.5	456.7	217.5	54.2	39.9	31.9	25.0	20.7	18.6	17.0	17.0
37.5°	546.1	449.3	183.4	45.7	35.6	27.1	20.7	17.0	14.9	14.4	14.4
40°	549.3	439.2	147.8	40.4	30.8	22.9	17.5	14.4	12.2	11.7	11.2
42.5°	557.8	436.5	118.0	36.2	27.6	19.1	14.4	11.7	10.1	9.0	8.5
45°	592.9	443.5	91.5	33.5	23.4	16.0	12.2	9.6	7.4	6.9	6.4
47.5°	650.3	466.3	72.3	29.8	19.7	13.3	10.1	7.4	5.8	5.3	4.8
50°	737.5	518.4	59.0	26.6	16.5	11.2	8.0	5.8	4.3	3.7	3.7
52.5°	851.8	588.6	51.0	23.4	13.3	9.6	6.4	4.3	3.2	2.7	2.7
55°	968.8	671.6	47.9	20.2	11.2	8.0	4.8	3.2	2.1	1.6	1.6
57.5°	1076.2	725.3	46.3	16.5	9.6	5.8	3.7	2.1	1.1	0.5	0.5
60°	1143.2	764.6	41.5	13.3	7.4	4.8	2.7	1.1	0.5	0.0	0.0
62.5°	1231.5	804.5	34.0	10.1	5.3	3.2	1.6	0.5	0.0	0.0	0.0
65°	1347.9	849.1	26.6	8.0	4.3	2.1	1.1	0.5	0.0	0.0	0.0
67.5°	1403.7	825.8	18.1	5.8	2.7	1.1	0.5	0.0	0.0	0.0	0.0
70°	1292.1	695.5	12.8	4.3	1.6	0.5	0.5	0.0	0.0	0.0	0.0
72.5°	1086.3	545.0	9.6	2.7	1.1	0.5	0.0	0.0	0.0	0.0	0.0
75°	800.8	340.8	7.4	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	424.8	127.1	5.3	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	125.5	37.2	3.7	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.5	11.2	2.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.3	4.3	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.2	1.6	1.1	1.1	0.5	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)