

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: P675543

Luminaire Tested: **CCW-SA-1A-735-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675543
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-735-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL3 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

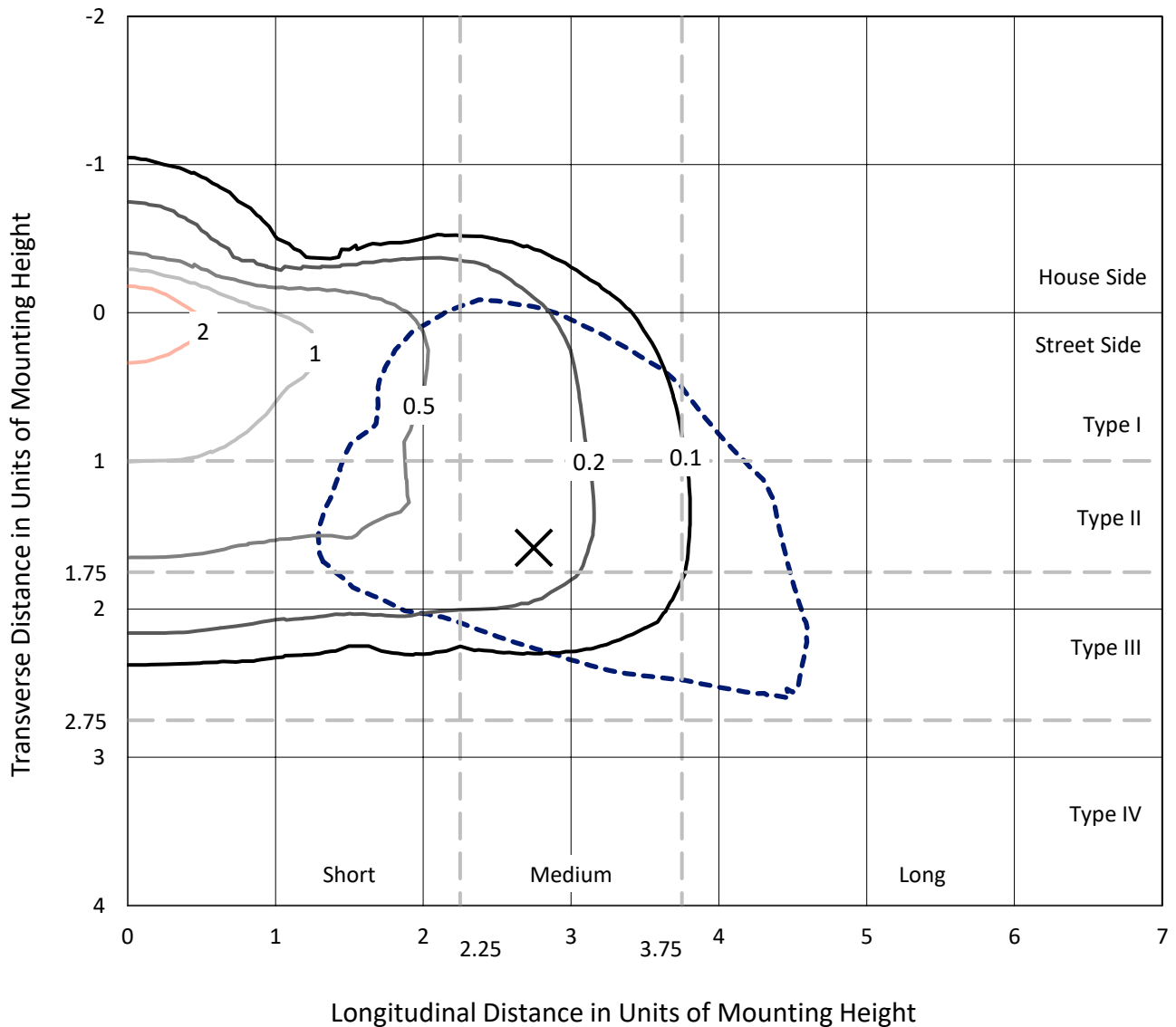
Lumens per Lamp: N/A
Luminaire Lumens: 2667.9 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
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

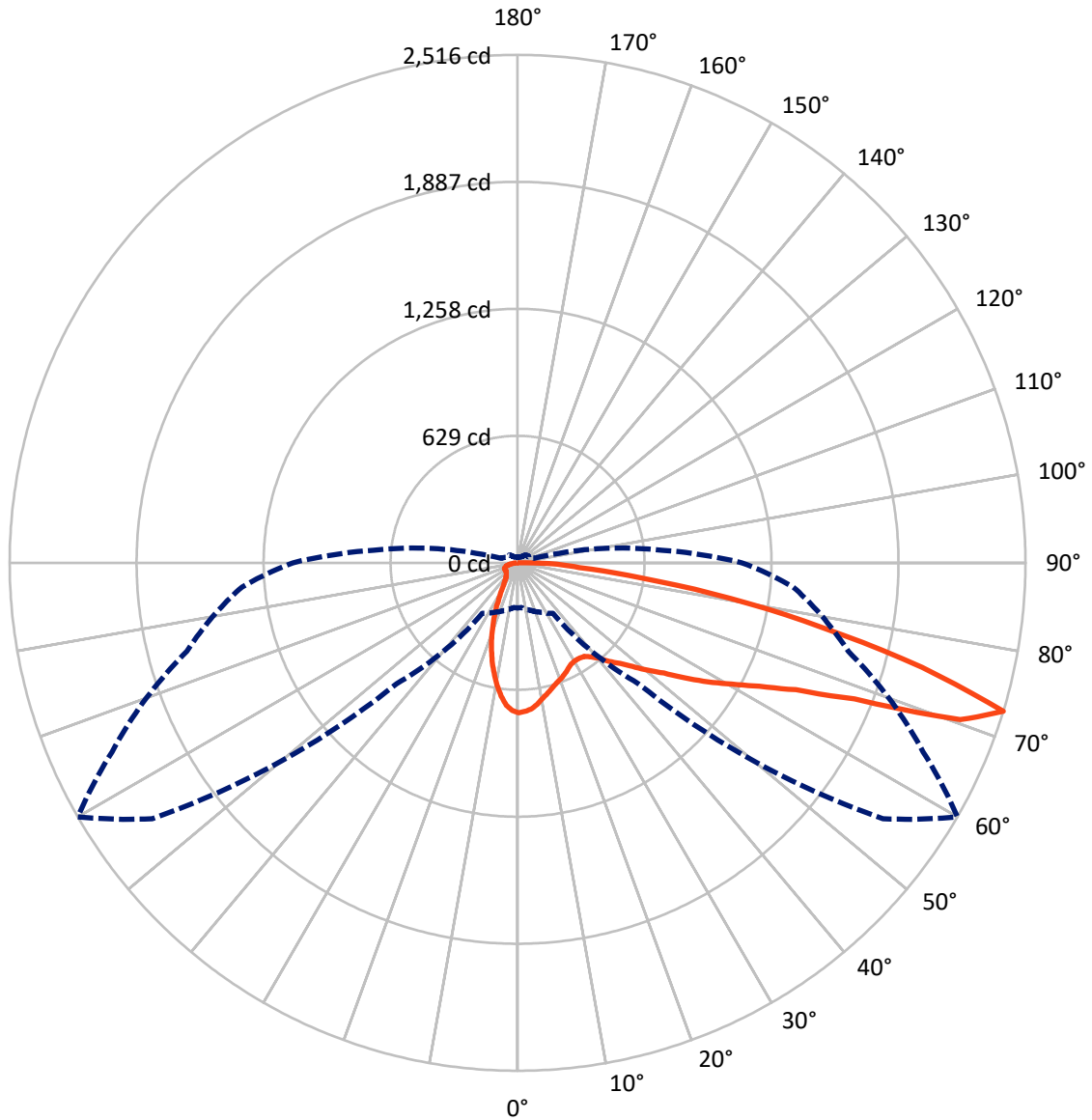
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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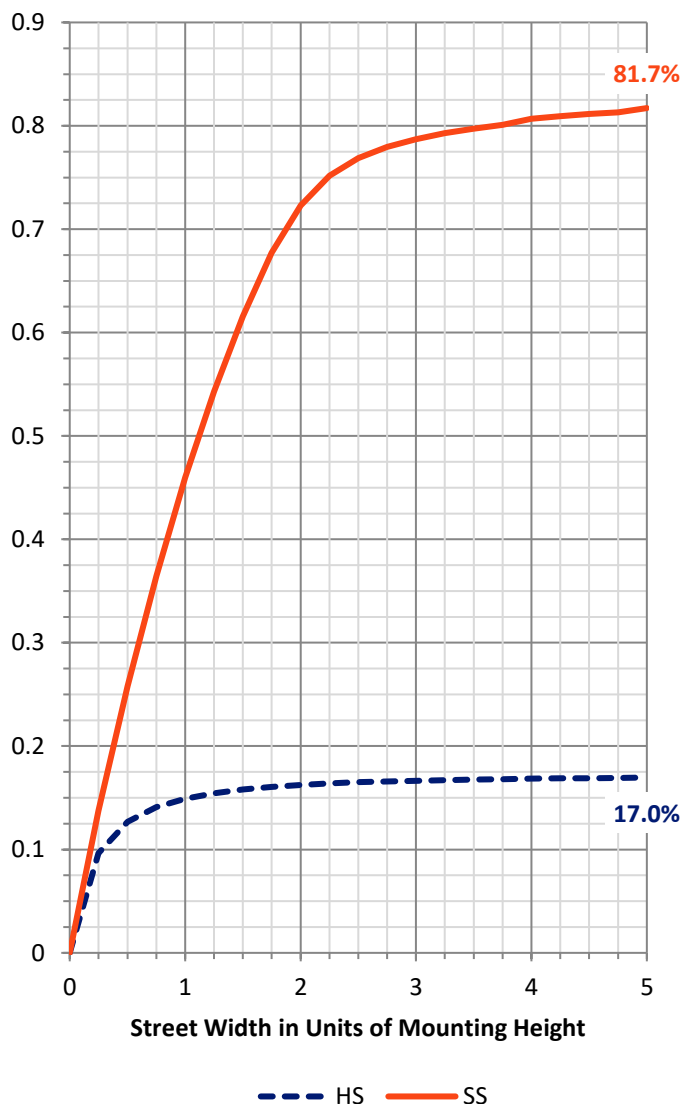
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	458.3	0.0	458.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	2209.6	0.0	2209.6
	% Fixture	82.8	0.0	82.8
Total	Lumens	2667.9	0.0	2667.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	2.4
10°-20°	146.0	5.5
20°-30°	186.9	7.0
30°-40°	239.1	9.0
40°-50°	327.9	12.3
50°-60°	474.2	17.8
60°-70°	650.6	24.4
70°-80°	488.2	18.3
80°-90°	90.7	3.4
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°	2667.9	100.0
0°-180°	2667.9	100.0

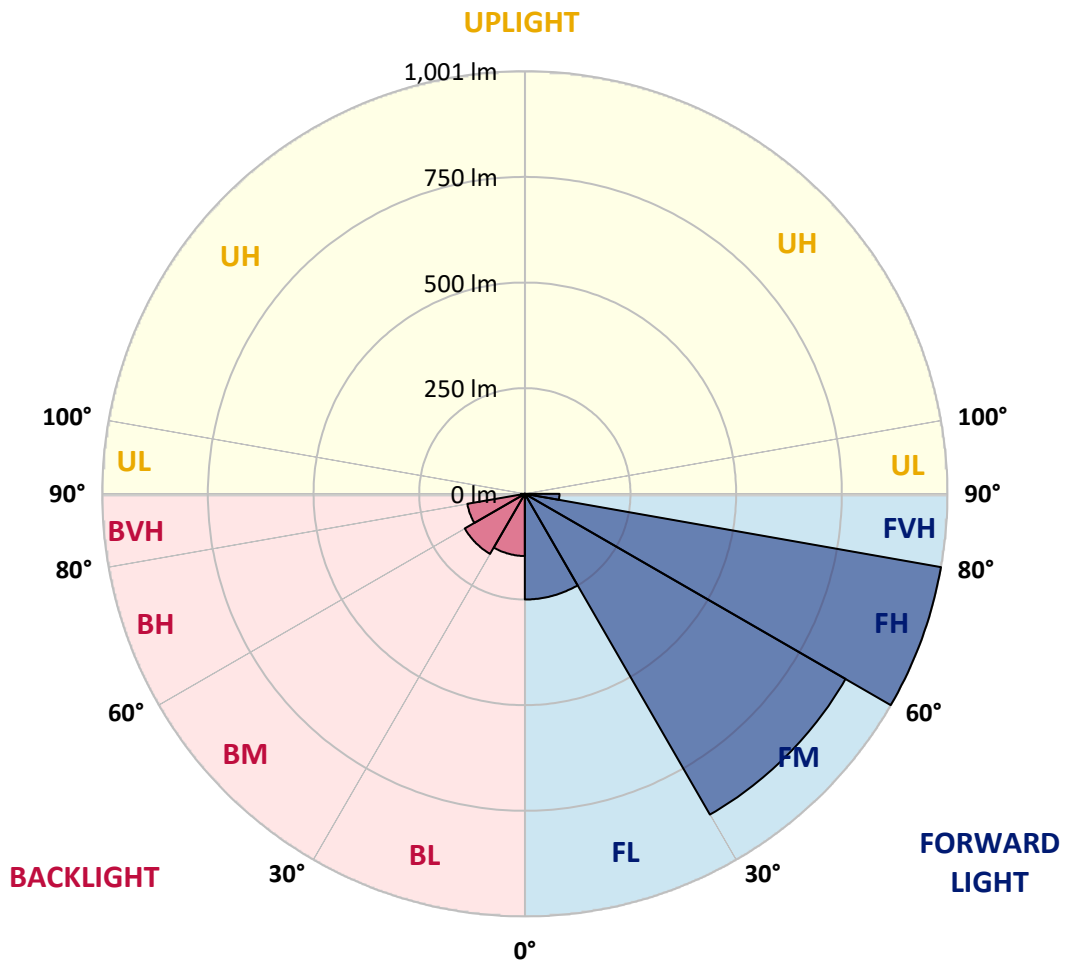


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.2	9.4			
FM (30°-60°)	876.9	32.9			
FH (60°-80°)	1000.6	37.5			G1/1800
FVH (80°-90°)	81.9	3.1			G1/100
BL (0°-30°)	147.1	5.5	B1/500		
BM (30°-60°)	164.2	6.2	B0/220		
BH (60°-80°)	138.1	5.2	B1/500		G1/500
BVH (80°-90°)	8.8	0.3			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°	60°	65°	75°	85°
0°	742.9	742.9	742.9	742.9	742.9	742.9	742.9	742.9	742.9	742.9	742.9
2.5°	727.0	734.0	735.9	735.9	741.9	734.9	744.9	736.9	738.9	741.9	739.9
5°	692.2	704.2	697.2	710.1	705.2	714.1	726.0	726.0	723.0	729.0	724.0
7.5°	658.5	654.5	666.4	666.4	674.4	686.3	696.2	706.1	707.1	709.1	708.1
10°	612.8	617.8	623.7	631.7	641.6	653.5	674.4	682.3	684.3	696.2	693.2
12.5°	575.0	582.0	586.0	601.9	610.8	627.7	651.5	662.4	663.4	680.3	680.3
15°	547.2	551.2	560.1	566.1	586.0	609.8	632.6	642.6	653.5	671.4	666.4
17.5°	528.4	533.3	537.3	545.3	564.1	584.0	619.7	625.7	638.6	664.4	658.5
20°	517.4	518.4	524.4	529.4	546.2	565.1	596.9	612.8	629.7	652.5	646.6
22.5°	519.4	515.5	514.5	521.4	524.4	542.3	581.0	597.9	621.7	648.5	638.6
25°	523.4	524.4	522.4	516.4	517.4	533.3	559.2	581.0	607.8	647.5	627.7
27.5°	533.3	538.3	530.4	524.4	518.4	524.4	551.2	567.1	596.9	652.5	626.7
30°	543.3	548.2	546.2	537.3	525.4	523.4	542.3	562.1	590.9	656.5	626.7
32.5°	558.2	565.1	558.2	561.1	547.2	538.3	545.3	563.1	596.9	670.4	627.7
35°	575.0	581.0	583.0	576.0	573.1	556.2	560.1	569.1	602.9	686.3	637.6
37.5°	593.9	600.9	606.8	607.8	597.9	588.0	586.0	590.9	617.8	714.1	648.5
40°	606.8	610.8	622.7	632.6	635.6	621.7	620.7	620.7	644.6	738.9	668.4
42.5°	628.7	626.7	643.6	661.5	666.4	658.5	660.5	668.4	682.3	774.7	700.2
45°	639.6	637.6	657.5	687.3	710.1	706.1	708.1	711.1	724.0	831.3	753.8
47.5°	654.5	656.5	685.3	719.1	742.9	756.8	767.7	766.7	776.7	888.9	813.4
50°	669.4	673.4	708.1	743.9	785.6	809.4	825.3	836.2	846.2	949.5	881.9
52.5°	698.2	702.2	740.9	779.6	833.3	868.0	907.8	906.8	907.8	1010.1	950.5
55°	739.9	740.9	763.7	808.4	880.9	944.5	999.1	1005.1	988.2	1085.5	1028.9
57.5°	787.6	791.6	811.4	845.2	918.7	1018.0	1101.4	1113.3	1067.7	1147.1	1100.4
60°	832.3	835.3	866.0	904.8	984.2	1110.4	1204.7	1218.6	1169.0	1222.6	1174.9
62.5°	781.6	796.5	851.1	939.5	1099.4	1250.4	1335.8	1344.8	1267.3	1299.1	1254.4
65°	625.7	635.6	714.1	857.1	1107.4	1504.7	1538.4	1514.6	1402.4	1397.4	1374.5
67.5°	348.6	356.5	410.2	560.1	932.6	1600.0	1974.4	1799.6	1611.9	1545.4	1537.4
70°	275.1	277.1	284.0	314.8	517.4	1410.3	2318.1	2326.0	1954.6	1749.0	1572.2
72.5°	223.5	222.5	243.3	270.1	305.9	846.2	2209.8	2515.7	2216.8	1695.3	1369.6
75°	170.8	173.8	200.6	239.4	280.1	398.3	1648.7	2069.8	2076.7	1580.1	1155.1
77.5°	130.1	131.1	160.9	211.5	274.1	281.1	1075.6	1542.4	1549.3	1223.6	636.6
80°	97.3	97.3	122.2	178.8	267.2	259.2	662.4	1069.6	968.3	430.0	139.0
82.5°	55.6	59.6	81.4	136.1	242.3	249.3	373.4	612.8	409.2	117.2	64.6
85°	29.8	30.8	49.7	91.4	199.6	238.4	285.0	304.9	162.9	62.6	29.8
87.5°	10.9	10.9	22.8	46.7	126.1	176.8	226.4	194.7	93.4	28.8	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°	742.9	742.9	742.9	742.9	742.9	742.9	742.9	742.9	742.9	742.9	742.9
2.5°	741.9	737.9	734.9	737.9	727.0	722.0	728.0	725.0	719.1	716.1	714.1
5°	727.0	722.0	717.1	714.1	702.2	690.3	684.3	672.4	662.4	665.4	659.5
7.5°	711.1	706.1	691.2	677.3	653.5	629.7	618.7	601.9	595.9	590.9	588.0
10°	691.2	682.3	659.5	631.7	596.9	570.1	542.3	522.4	501.6	492.6	495.6
12.5°	666.4	661.5	625.7	583.0	534.3	489.6	456.9	425.1	397.3	382.4	378.4
15°	655.5	640.6	589.0	532.3	470.8	415.1	366.5	310.9	278.1	262.2	262.2
17.5°	643.6	615.8	554.2	476.7	406.2	334.7	266.2	215.5	189.7	180.8	180.8
20°	624.7	593.9	513.5	424.1	338.7	252.3	190.7	162.9	154.9	149.0	150.0
22.5°	610.8	573.1	475.7	372.4	268.2	187.7	150.0	141.0	138.1	136.1	137.1
25°	594.9	548.2	436.0	316.8	210.6	148.0	130.1	126.1	128.1	129.1	129.1
27.5°	582.0	527.4	395.3	257.2	158.9	125.1	117.2	116.2	120.2	122.2	123.2
30°	573.1	508.5	355.6	202.6	127.1	111.2	107.3	107.3	112.2	114.2	115.2
32.5°	564.1	492.6	312.8	154.9	108.3	99.3	98.3	99.3	102.3	102.3	103.3
35°	567.1	477.7	272.1	125.1	97.3	91.4	91.4	91.4	92.4	93.4	93.4
37.5°	573.1	473.7	228.4	105.3	89.4	85.4	85.4	84.4	85.4	84.4	85.4
40°	579.0	467.8	188.7	93.4	84.4	81.4	80.4	78.5	77.5	77.5	78.5
42.5°	603.8	475.7	154.9	85.4	80.4	78.5	75.5	73.5	72.5	72.5	72.5
45°	635.6	490.6	128.1	81.4	77.5	72.5	70.5	69.5	67.5	68.5	69.5
47.5°	683.3	513.5	112.2	78.5	74.5	68.5	66.5	64.6	64.6	66.5	66.5
50°	745.9	551.2	102.3	75.5	71.5	65.5	62.6	61.6	61.6	64.6	64.6
52.5°	813.4	594.9	98.3	74.5	68.5	62.6	59.6	58.6	58.6	62.6	62.6
55°	880.9	648.5	101.3	74.5	66.5	59.6	56.6	54.6	55.6	58.6	58.6
57.5°	955.4	706.1	116.2	74.5	64.6	58.6	54.6	51.6	52.6	53.6	53.6
60°	1036.9	781.6	142.0	74.5	63.6	56.6	51.6	47.7	47.7	48.7	48.7
62.5°	1119.3	856.1	178.8	75.5	64.6	55.6	47.7	43.7	42.7	43.7	43.7
65°	1227.6	975.3	215.5	75.5	67.5	53.6	44.7	39.7	38.7	38.7	39.7
67.5°	1379.5	1060.7	166.9	72.5	69.5	53.6	41.7	36.7	34.8	34.8	34.8
70°	1299.1	894.8	106.3	67.5	66.5	55.6	39.7	33.8	31.8	30.8	30.8
72.5°	1112.4	716.1	85.4	63.6	61.6	54.6	37.7	31.8	28.8	27.8	27.8
75°	891.9	565.1	74.5	57.6	53.6	45.7	34.8	28.8	26.8	24.8	24.8
77.5°	437.0	236.4	56.6	50.7	45.7	34.8	30.8	26.8	23.8	21.8	21.8
80°	109.2	82.4	41.7	39.7	33.8	26.8	24.8	22.8	20.9	18.9	18.9
82.5°	58.6	48.7	29.8	26.8	22.8	18.9	18.9	17.9	16.9	14.9	13.9
85°	29.8	28.8	19.9	17.9	14.9	11.9	12.9	12.9	11.9	8.9	8.9
87.5°	15.9	15.9	9.9	7.9	7.0	6.0	6.0	6.0	5.0	4.0	4.0
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)