

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: P676963

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676963
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-727-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

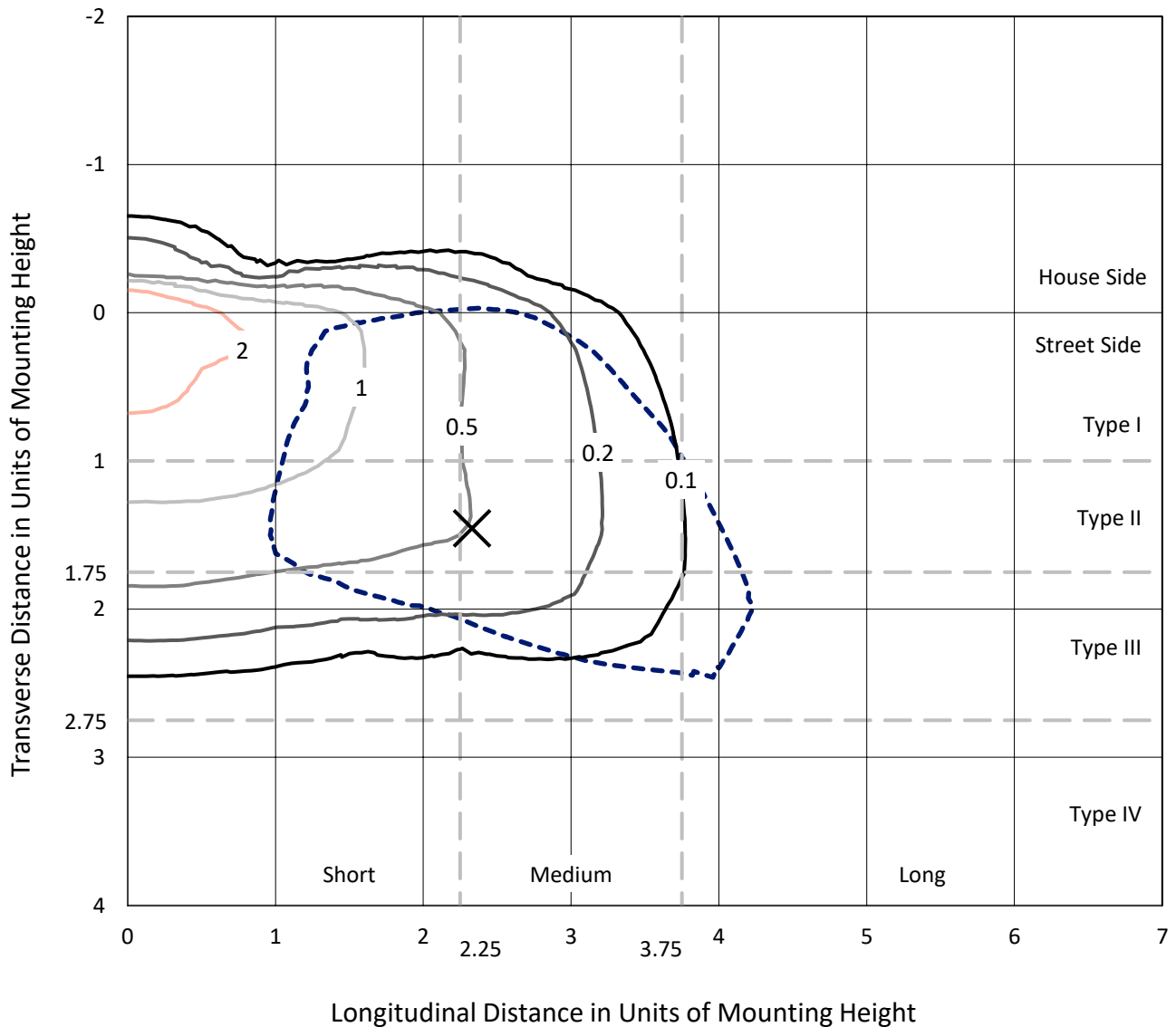
Lumens per Lamp: N/A
Luminaire Lumens: 3124.5 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

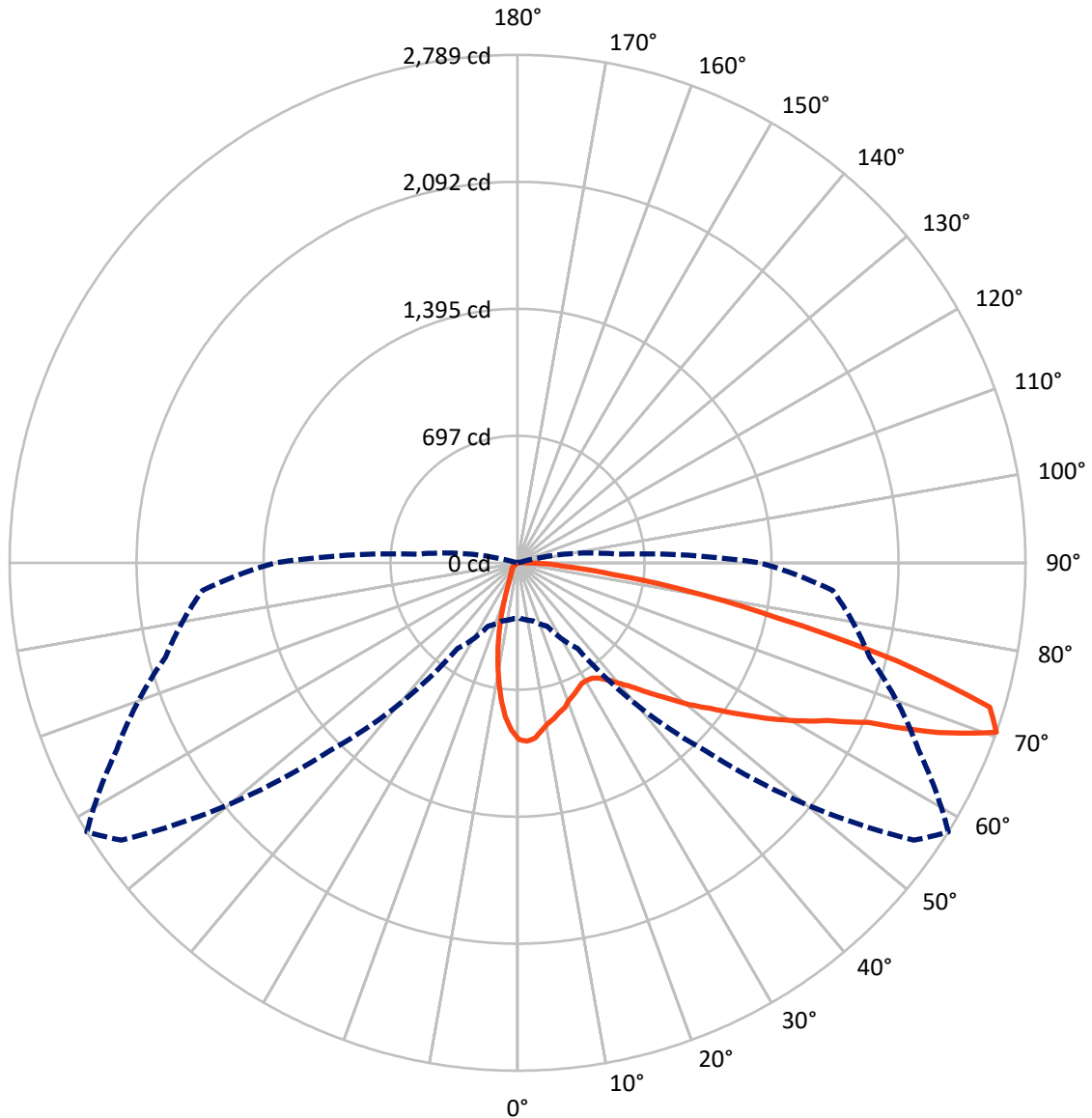
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 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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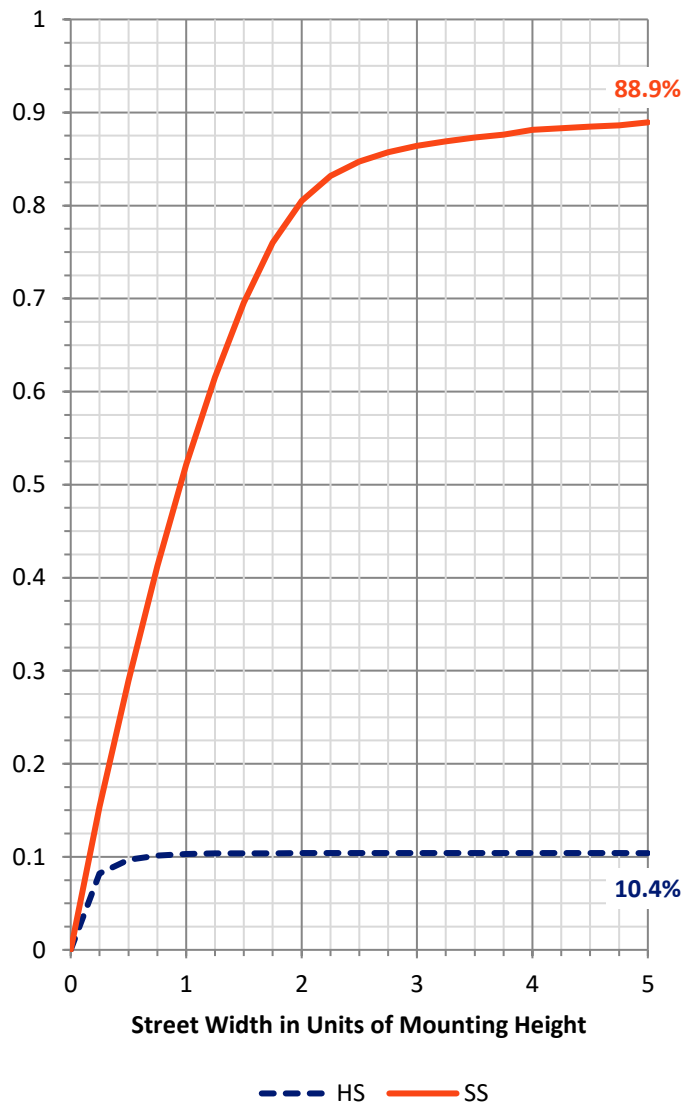
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	327.2	0.0	327.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2797.3	0.0	2797.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	3124.5	0.0	3124.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	2.5
10°-20°	164.8	5.3
20°-30°	220.6	7.1
30°-40°	298.2	9.5
40°-50°	428.0	13.7
50°-60°	630.8	20.2
60°-70°	769.4	24.6
70°-80°	469.8	15.0
80°-90°	63.8	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°	3124.5	100.0
0°-180°	3124.5	100.0

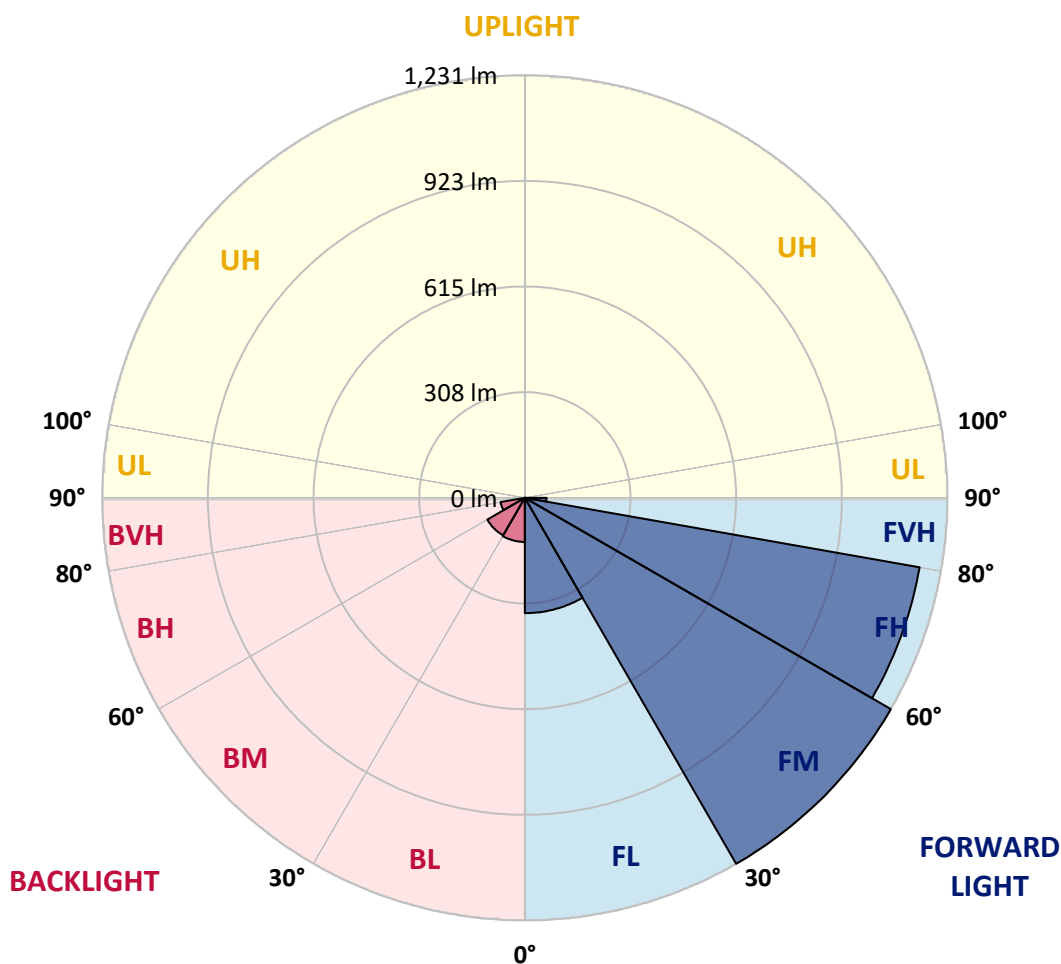


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.9	10.8			
FM (30°-60°)	1230.7	39.4			
FH (60°-80°)	1167.5	37.4			G1/1800
FVH (80°-90°)	63.2	2.0			G1/100
BL (0°-30°)	128.6	4.1	B1/500		
BM (30°-60°)	126.3	4.0	B0/220		
BH (60°-80°)	71.7	2.3	B0/110		G0/110
BVH (80°-90°)	0.6	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9
2.5°	987.5	991.2	982.4	992.7	983.1	987.5	982.4	980.9	981.7	982.4	976.5
5°	941.4	950.2	953.8	948.0	961.9	959.7	968.5	969.2	965.6	961.9	962.6
7.5°	880.6	889.4	893.0	896.7	910.6	928.9	940.6	933.3	939.2	952.4	932.6
10°	836.6	834.4	833.7	841.0	867.4	882.8	902.5	900.4	915.0	927.5	911.3
12.5°	782.4	778.0	791.2	797.1	820.5	847.6	863.0	879.1	893.8	906.9	888.6
15°	742.1	745.8	750.9	763.4	780.2	816.1	838.8	854.2	880.6	887.2	879.8
17.5°	709.9	712.8	720.1	726.7	748.0	782.4	818.3	836.6	864.5	882.0	859.3
20°	710.6	701.8	701.8	708.4	720.1	761.2	799.3	805.1	843.2	873.2	857.9
22.5°	711.3	708.4	701.8	701.1	706.2	735.5	774.3	787.5	828.6	863.7	845.4
25°	721.6	710.6	711.3	701.1	703.3	717.9	748.7	768.5	815.4	868.8	838.8
27.5°	730.4	735.5	725.3	720.9	708.4	707.7	733.3	750.2	808.8	880.6	843.2
30°	750.2	753.8	753.8	750.9	739.2	722.3	728.2	749.4	795.6	878.4	835.9
32.5°	783.1	776.5	785.3	780.9	765.6	739.2	744.3	755.3	803.6	906.2	847.6
35°	794.1	799.3	811.0	801.5	796.3	780.9	770.7	778.7	815.4	934.0	865.2
37.5°	827.8	820.5	828.6	849.8	854.9	827.1	807.3	819.0	859.3	967.0	881.3
40°	830.8	836.6	851.3	893.0	898.2	886.4	870.3	873.2	903.3	1009.5	921.6
42.5°	845.4	852.0	882.0	917.2	945.0	947.2	935.5	935.5	961.2	1077.6	966.3
45°	874.0	863.0	901.8	961.2	1001.4	1009.5	1024.9	1021.2	1041.7	1149.4	1049.8
47.5°	885.0	888.6	931.1	1002.9	1049.1	1086.4	1112.1	1112.8	1123.1	1241.0	1158.2
50°	920.9	920.1	971.4	1038.1	1106.2	1174.3	1224.2	1224.2	1223.4	1330.4	1251.3
52.5°	968.5	967.0	1006.6	1085.7	1174.3	1260.1	1326.0	1328.2	1345.0	1440.3	1358.2
55°	1046.1	1039.5	1077.6	1136.2	1242.5	1346.5	1460.8	1461.5	1448.3	1518.7	1435.1
57.5°	1111.3	1110.6	1142.1	1198.5	1318.7	1457.8	1590.4	1610.2	1568.5	1599.2	1496.7
60°	1094.5	1104.0	1169.2	1252.7	1399.2	1597.0	1730.4	1761.1	1694.5	1654.2	1542.8
62.5°	989.7	1011.7	1082.8	1216.1	1467.4	1799.2	1923.0	1909.1	1760.4	1701.1	1599.2
65°	712.1	734.1	822.0	1022.0	1388.3	1942.1	2176.5	2113.5	1877.6	1770.7	1674.7
67.5°	419.0	427.8	482.8	652.0	1038.1	1864.4	2484.2	2489.3	2108.4	1877.6	1805.1
70°	302.6	309.2	330.4	384.6	575.1	1461.5	2655.6	2789.0	2428.5	2000.7	1736.2
72.5°	232.2	232.2	268.1	320.1	366.3	875.4	2443.9	2711.3	2498.1	1882.8	1399.2
75°	167.0	171.4	210.3	275.5	337.7	439.6	1800.7	2151.6	2117.2	1526.0	977.3
77.5°	96.0	98.2	148.0	230.8	317.2	301.8	1112.8	1458.6	1499.6	955.3	423.4
80°	49.1	50.5	82.8	182.4	287.2	263.0	663.7	960.4	814.6	277.7	98.2
82.5°	24.2	24.2	37.4	116.5	244.0	233.0	390.5	530.4	288.6	63.7	41.0
85°	8.1	8.8	16.8	65.9	176.6	140.7	238.8	252.0	96.7	24.2	22.7
87.5°	2.2	2.9	4.4	24.2	76.9	92.3	142.1	161.2	39.6	9.5	11.0
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°	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9
2.5°	954.6	949.4	943.6	928.9	917.2	901.8	891.6	883.5	868.1	871.0	864.5
5°	945.0	935.5	901.8	869.6	840.3	795.6	764.8	745.0	728.9	712.8	724.5
7.5°	928.2	905.5	852.7	792.7	730.4	671.8	613.2	578.0	552.4	528.9	528.2
10°	899.6	863.0	780.2	701.8	605.9	528.9	454.2	395.6	357.5	329.7	328.9
12.5°	867.4	829.3	725.3	597.8	487.2	378.7	289.4	227.1	191.2	169.2	166.3
15°	846.9	791.2	656.4	505.5	368.5	246.9	160.4	121.6	107.7	102.6	102.6
17.5°	820.5	756.8	588.3	409.5	255.7	142.9	104.0	93.8	93.0	91.6	90.1
20°	809.5	730.4	527.5	326.7	161.9	101.1	89.4	87.2	87.2	85.7	84.2
22.5°	780.2	692.3	463.0	239.6	107.7	88.6	84.2	81.3	79.9	78.4	79.9
25°	767.0	665.2	402.2	165.6	87.9	79.1	76.9	74.0	71.8	71.1	71.1
27.5°	758.2	638.1	342.9	115.0	77.7	72.5	68.1	65.9	63.0	60.1	60.1
30°	751.6	616.8	285.7	85.0	69.6	64.5	60.8	55.7	52.0	49.1	49.1
32.5°	742.8	591.9	228.6	72.5	63.0	57.9	51.3	46.9	41.8	39.6	39.6
35°	745.8	575.1	179.5	64.5	56.4	49.8	44.0	38.1	33.0	30.8	30.0
37.5°	751.6	562.6	136.3	57.9	50.5	43.2	36.6	30.0	27.1	24.2	24.2
40°	776.5	559.0	100.4	53.5	46.2	38.1	30.8	24.9	22.0	19.8	19.0
42.5°	818.3	564.1	77.7	48.4	41.8	32.2	25.6	20.5	17.6	15.4	14.7
45°	871.8	583.9	63.7	45.4	36.6	27.1	20.5	16.8	13.2	11.7	11.7
47.5°	949.4	614.6	55.7	41.8	32.2	22.7	17.6	13.2	10.3	8.8	8.8
50°	1037.3	649.8	49.1	37.4	27.8	19.0	13.9	10.3	7.3	6.6	6.6
52.5°	1125.3	694.5	45.4	34.4	24.2	15.4	11.0	7.3	5.1	4.4	4.4
55°	1217.6	734.1	41.0	32.2	19.8	12.5	8.1	4.4	2.9	2.2	2.2
57.5°	1282.0	749.4	35.9	27.8	15.4	9.5	5.9	2.9	1.5	0.7	0.7
60°	1328.2	751.6	30.8	22.7	11.7	7.3	3.7	1.5	0.7	0.0	0.0
62.5°	1367.0	756.0	26.4	17.6	8.8	5.1	2.2	0.7	0.0	0.0	0.0
65°	1443.9	752.4	21.2	13.9	5.9	2.9	1.5	0.0	0.0	0.0	0.0
67.5°	1504.7	715.7	16.8	9.5	3.7	1.5	0.7	0.0	0.0	0.0	0.0
70°	1331.1	545.8	13.2	6.6	2.2	0.7	0.0	0.0	0.0	0.0	0.0
72.5°	1045.4	364.1	8.8	3.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0
75°	685.7	180.9	6.6	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	266.7	47.6	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	64.5	16.1	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.8	5.9	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.8	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.8	1.5	0.7	0.7	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)