

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: P676476

Luminaire Tested: **CCW-SA-1D-835-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676476
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-835-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3310.5 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

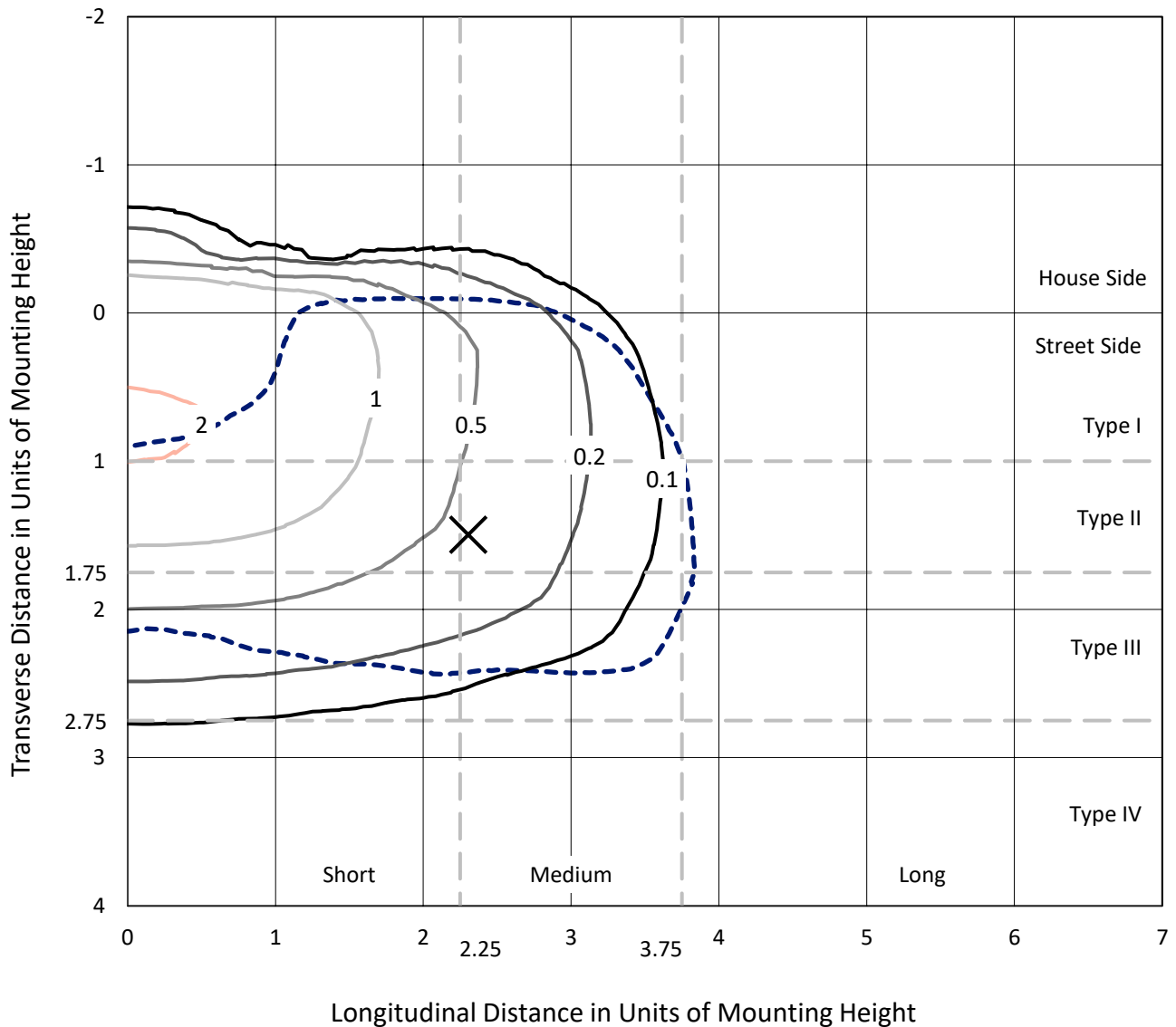
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

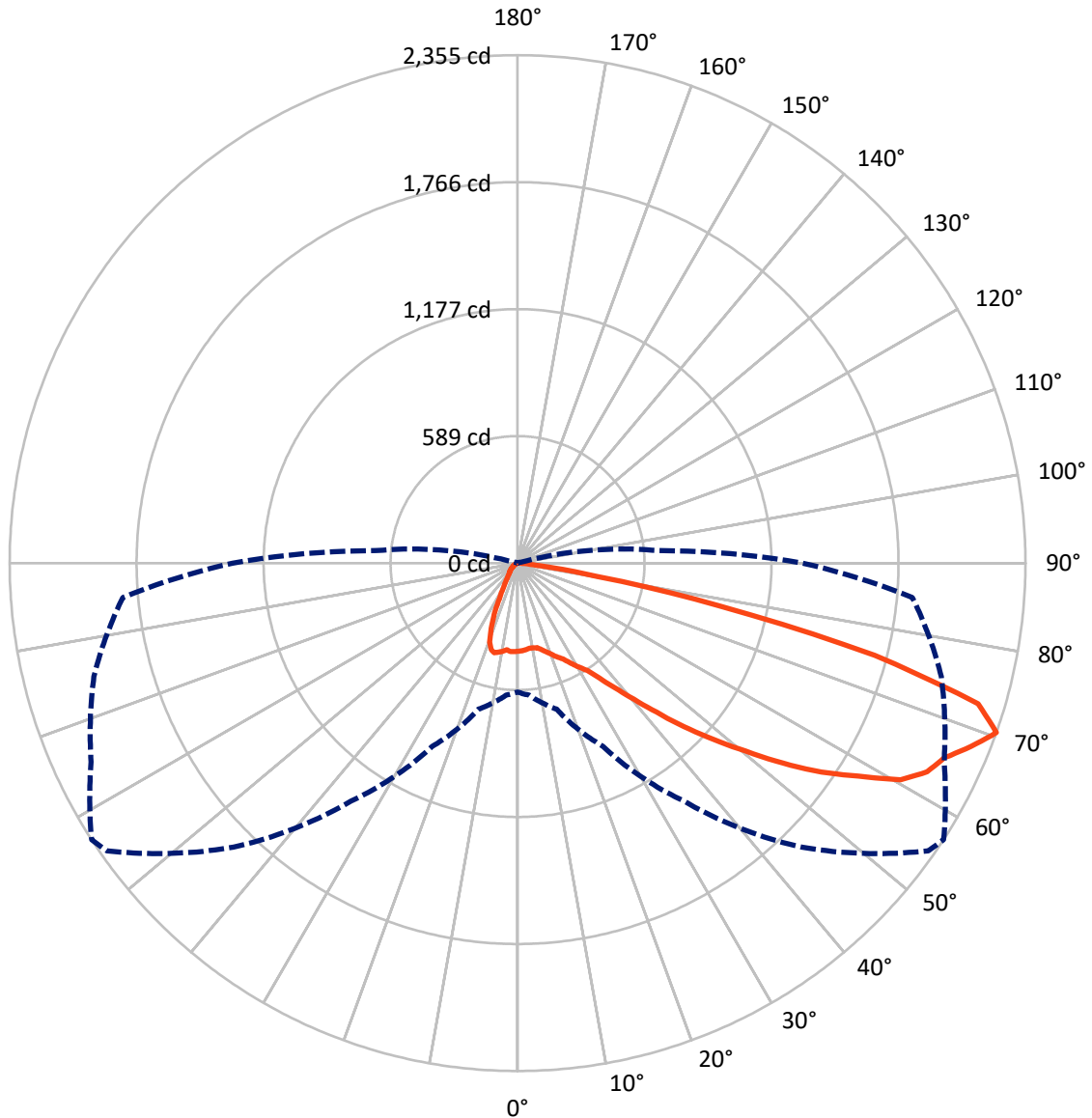
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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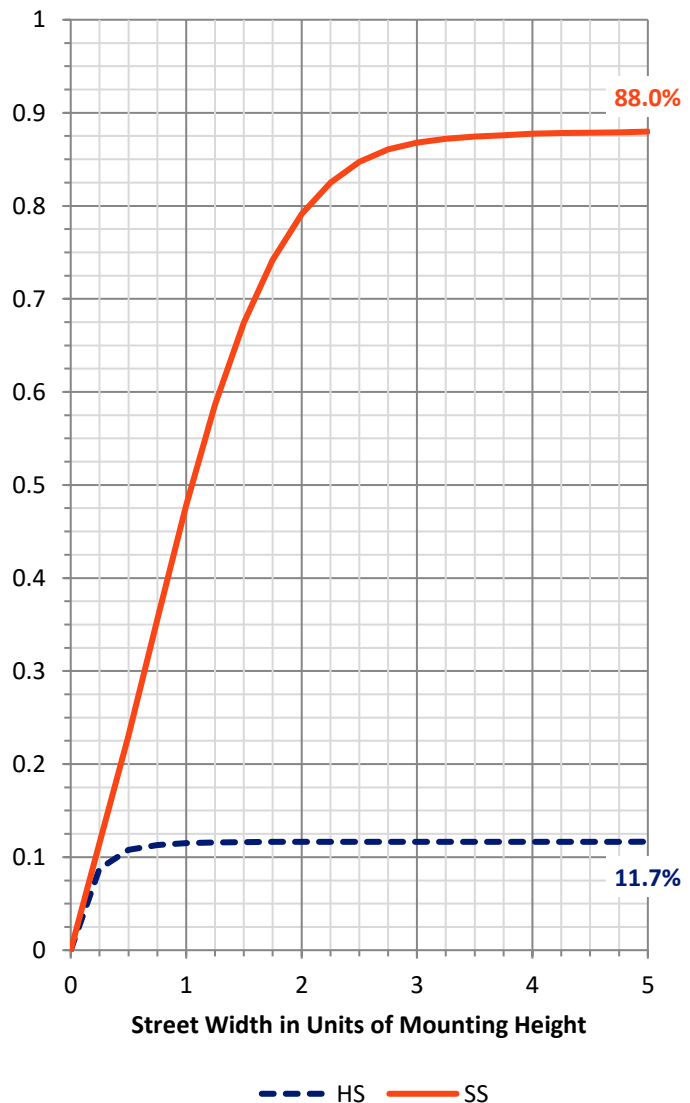
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	390.2	0.0	390.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2920.3	0.0	2920.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	3310.5	0.0	3310.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	1.2
10°-20°	106.7	3.2
20°-30°	179.8	5.4
30°-40°	307.7	9.3
40°-50°	516.6	15.6
50°-60°	793.0	24.0
60°-70°	915.6	27.7
70°-80°	432.5	13.1
80°-90°	20.5	0.6
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°	3310.5	100.0
0°-180°	3310.5	100.0



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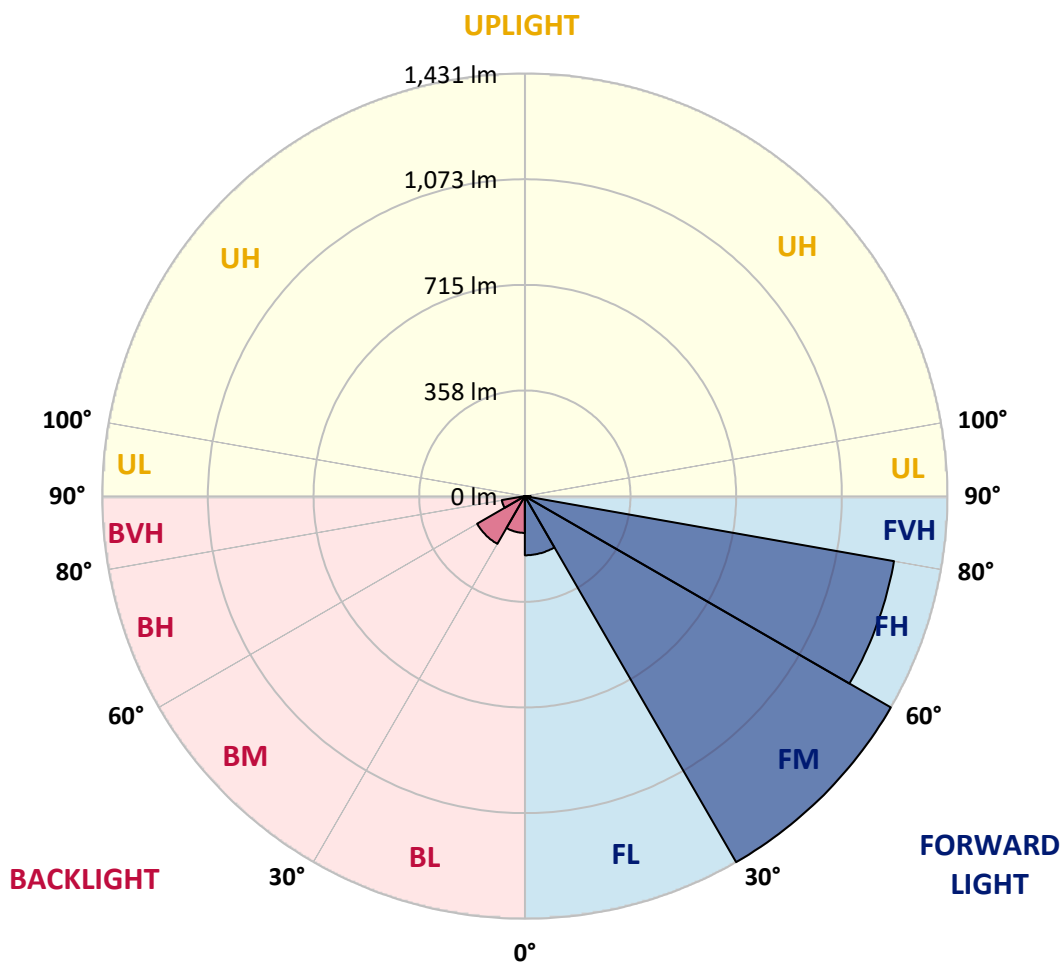
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.3	6.0			
FM	(30°-60°)	1430.8	43.2			
FH	(60°-80°)	1269.1	38.3			G1/1800
FVH	(80°-90°)	20.2	0.6			G1/100
BL	(0°-30°)	124.4	3.8	B1/500		
BM	(30°-60°)	186.5	5.6	B0/220		
BH	(60°-80°)	78.9	2.4	B0/110		G0/110
BVH	(80°-90°)	0.4	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°	57°	65°	75°	85°
0°	408.5	408.5	408.5	408.5	408.5	408.5	408.5	408.5	408.5	408.5	408.5
2.5°	402.6	400.0	402.6	405.9	402.6	405.1	404.2	406.8	403.4	403.4	405.9
5°	376.3	380.6	382.3	386.5	390.7	398.3	403.4	403.4	408.5	411.0	414.4
7.5°	367.0	360.3	367.0	370.4	374.7	387.3	394.9	398.3	405.1	414.4	419.5
10°	353.5	358.6	358.6	369.6	375.5	383.1	396.6	399.2	414.4	423.7	428.8
12.5°	352.7	352.7	356.9	364.5	376.3	390.7	407.6	402.6	418.6	435.5	444.0
15°	355.2	361.1	361.1	371.3	380.6	400.9	415.2	416.1	438.9	455.8	463.4
17.5°	366.2	363.7	367.0	373.0	387.3	406.8	430.5	433.0	459.2	482.1	493.0
20°	389.0	393.3	388.2	384.8	390.7	416.1	446.5	451.6	481.2	503.2	514.2
22.5°	474.4	471.1	450.8	427.1	416.9	428.8	461.8	473.6	508.3	534.5	543.8
25°	570.9	564.9	541.3	505.7	459.2	454.1	492.2	492.2	542.1	570.9	568.3
27.5°	662.2	660.5	632.6	595.4	529.4	493.0	516.7	526.0	580.2	603.8	592.8
30°	755.2	756.9	731.5	686.7	617.4	555.6	551.4	559.0	608.9	646.1	623.3
32.5°	863.5	848.2	830.5	768.8	705.3	636.0	596.2	592.8	641.0	674.9	644.4
35°	959.9	950.6	931.1	875.3	802.6	719.7	663.9	655.4	681.6	726.5	693.5
37.5°	1044.5	1035.2	1009.8	972.6	915.9	823.7	745.1	732.4	743.4	790.7	751.0
40°	1117.2	1119.7	1113.0	1076.6	1024.2	940.4	849.9	829.6	820.3	862.6	817.8
42.5°	1169.6	1194.1	1195.8	1151.0	1108.7	1063.1	961.6	945.5	923.5	959.0	927.7
45°	1279.6	1266.0	1274.5	1258.4	1211.9	1205.1	1090.1	1080.8	1050.4	1062.2	1029.2
47.5°	1365.8	1363.3	1379.4	1353.1	1340.5	1341.3	1236.4	1220.4	1177.2	1199.2	1162.0
50°	1415.7	1402.2	1460.5	1480.8	1478.3	1488.5	1384.4	1370.9	1329.5	1361.6	1282.1
52.5°	1427.6	1452.1	1507.1	1580.6	1611.9	1633.1	1546.0	1540.9	1496.1	1516.4	1406.4
55°	1457.2	1480.8	1513.0	1633.9	1749.8	1754.9	1705.0	1710.0	1670.3	1665.2	1524.8
57.5°	1456.3	1451.2	1540.0	1680.4	1841.1	1913.8	1886.8	1862.3	1819.1	1769.2	1600.9
60°	1403.0	1400.5	1492.7	1686.3	1891.0	2057.6	2068.6	2039.9	1931.6	1858.0	1690.6
62.5°	1297.3	1307.5	1400.5	1635.6	1938.4	2109.2	2149.8	2130.3	1995.9	1917.2	1796.3
65°	1176.4	1155.2	1263.5	1508.7	1831.8	2094.0	2181.9	2175.2	2072.0	1981.5	1893.5
67.5°	943.8	953.1	1036.0	1298.2	1650.0	2038.2	2257.2	2267.4	2132.9	2038.2	1923.1
70°	597.9	614.8	701.1	937.9	1347.2	1862.3	2324.9	2354.5	2181.1	2033.1	1836.9
72.5°	174.2	181.0	298.5	467.7	858.4	1493.5	2216.6	2231.8	2087.2	1845.3	1420.8
75°	57.5	60.9	88.0	152.2	336.6	772.1	1637.3	1709.2	1661.0	1337.9	812.7
77.5°	38.1	39.7	48.2	72.7	127.7	241.9	877.8	954.8	936.2	626.7	262.2
80°	27.9	28.8	35.5	49.1	77.8	87.1	323.9	374.7	362.0	143.8	52.4
82.5°	17.8	17.8	26.2	34.7	49.1	43.1	93.9	104.0	101.5	55.0	20.3
85°	11.8	12.7	19.5	27.1	27.1	20.3	27.1	31.3	33.8	29.6	9.3
87.5°	3.4	4.2	11.0	18.6	11.0	10.1	9.3	10.1	11.8	16.1	5.1
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°	408.5	408.5	408.5	408.5	408.5	408.5	408.5	408.5	408.5	408.5	408.5
2.5°	408.5	411.9	411.0	412.7	410.2	407.6	410.2	410.2	410.2	407.6	405.9
5°	411.9	410.2	411.9	408.5	411.9	408.5	406.8	401.7	400.9	400.9	404.2
7.5°	416.9	418.6	411.0	411.0	403.4	405.1	400.9	401.7	400.0	397.5	395.8
10°	424.5	431.3	423.7	421.2	412.7	405.9	395.8	390.7	390.7	387.3	390.7
12.5°	445.7	443.2	438.9	430.5	420.3	406.8	382.3	357.7	337.4	322.2	329.8
15°	462.6	461.8	455.8	439.8	426.2	384.8	323.1	259.6	225.8	210.6	208.0
17.5°	488.8	486.3	476.1	455.0	410.2	318.8	221.6	168.3	135.3	127.7	125.2
20°	513.3	512.5	490.5	463.4	369.6	232.6	144.6	110.8	101.5	102.3	100.6
22.5°	539.6	535.3	509.1	453.3	294.3	154.8	103.2	98.9	95.6	94.7	96.4
25°	569.2	553.9	527.7	430.5	216.5	106.6	97.3	93.9	90.5	89.6	89.6
27.5°	581.0	570.9	536.2	375.5	137.0	93.0	91.3	87.1	82.9	80.3	79.5
30°	608.1	591.2	544.6	295.2	97.3	85.4	82.9	77.8	71.9	67.7	67.7
32.5°	635.1	614.8	545.5	206.4	81.2	77.0	72.7	66.0	58.4	54.1	55.0
35°	669.0	641.0	536.2	133.6	72.7	67.7	59.2	51.6	44.8	41.4	41.4
37.5°	726.5	700.2	498.1	88.0	66.0	57.5	49.1	40.6	34.7	32.1	32.1
40°	799.2	765.4	445.7	69.3	58.4	49.1	38.9	31.3	27.9	25.4	25.4
42.5°	886.3	844.0	367.9	61.7	51.6	40.6	30.4	24.5	21.1	21.1	20.3
45°	973.4	904.1	288.4	56.7	45.7	33.8	23.7	19.5	17.8	16.9	16.9
47.5°	1097.7	976.8	206.4	51.6	39.7	26.2	19.5	16.1	14.4	13.5	14.4
50°	1217.0	1045.3	146.3	46.5	33.0	21.1	16.1	14.4	12.7	11.8	11.8
52.5°	1321.8	1092.7	102.3	40.6	27.9	17.8	14.4	12.7	11.8	11.0	11.0
55°	1379.4	1076.6	70.2	34.7	22.8	15.2	12.7	11.0	10.1	9.3	9.3
57.5°	1438.6	1031.8	53.3	28.8	18.6	14.4	11.8	10.1	9.3	8.5	8.5
60°	1488.5	998.8	41.4	22.8	15.2	11.8	10.1	8.5	7.6	6.8	5.9
62.5°	1491.0	932.8	30.4	16.9	11.8	10.1	8.5	6.8	4.2	3.4	2.5
65°	1501.1	863.5	22.0	12.7	8.5	7.6	5.9	3.4	1.7	0.0	0.0
67.5°	1465.6	781.4	17.8	9.3	5.9	4.2	2.5	0.8	0.0	0.0	0.0
70°	1321.0	659.7	13.5	6.8	4.2	2.5	0.8	0.0	0.0	0.0	0.0
72.5°	945.5	428.8	9.3	5.1	1.7	0.8	0.0	0.0	0.0	0.0	0.0
75°	504.0	182.7	6.8	3.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	158.1	46.5	4.2	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.7	12.7	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.8	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.2	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.8	0.8	0.0	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)