

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: P676430

Luminaire Tested: **CCW-SA-1B-750-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676430
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-750-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2545 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

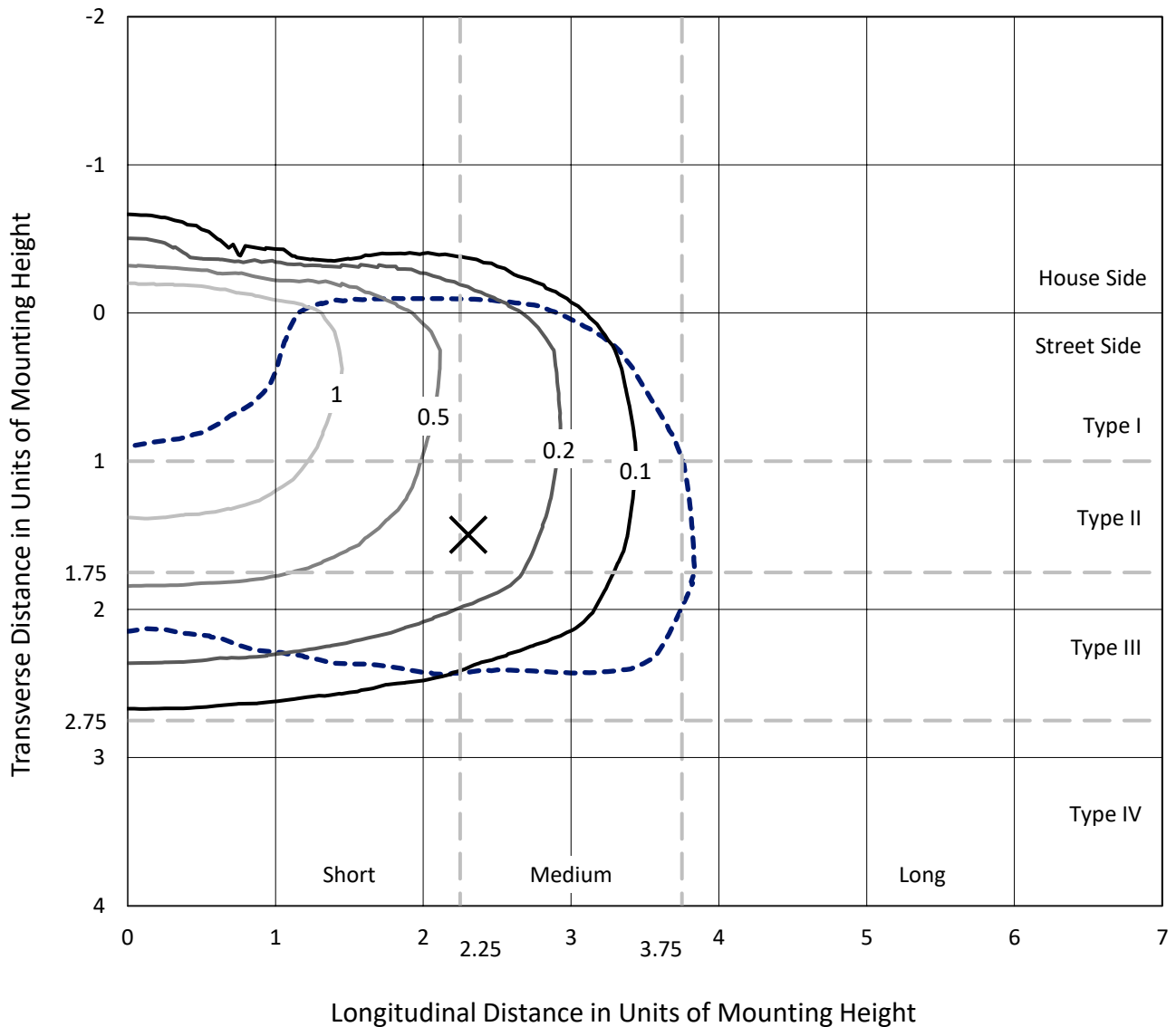
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

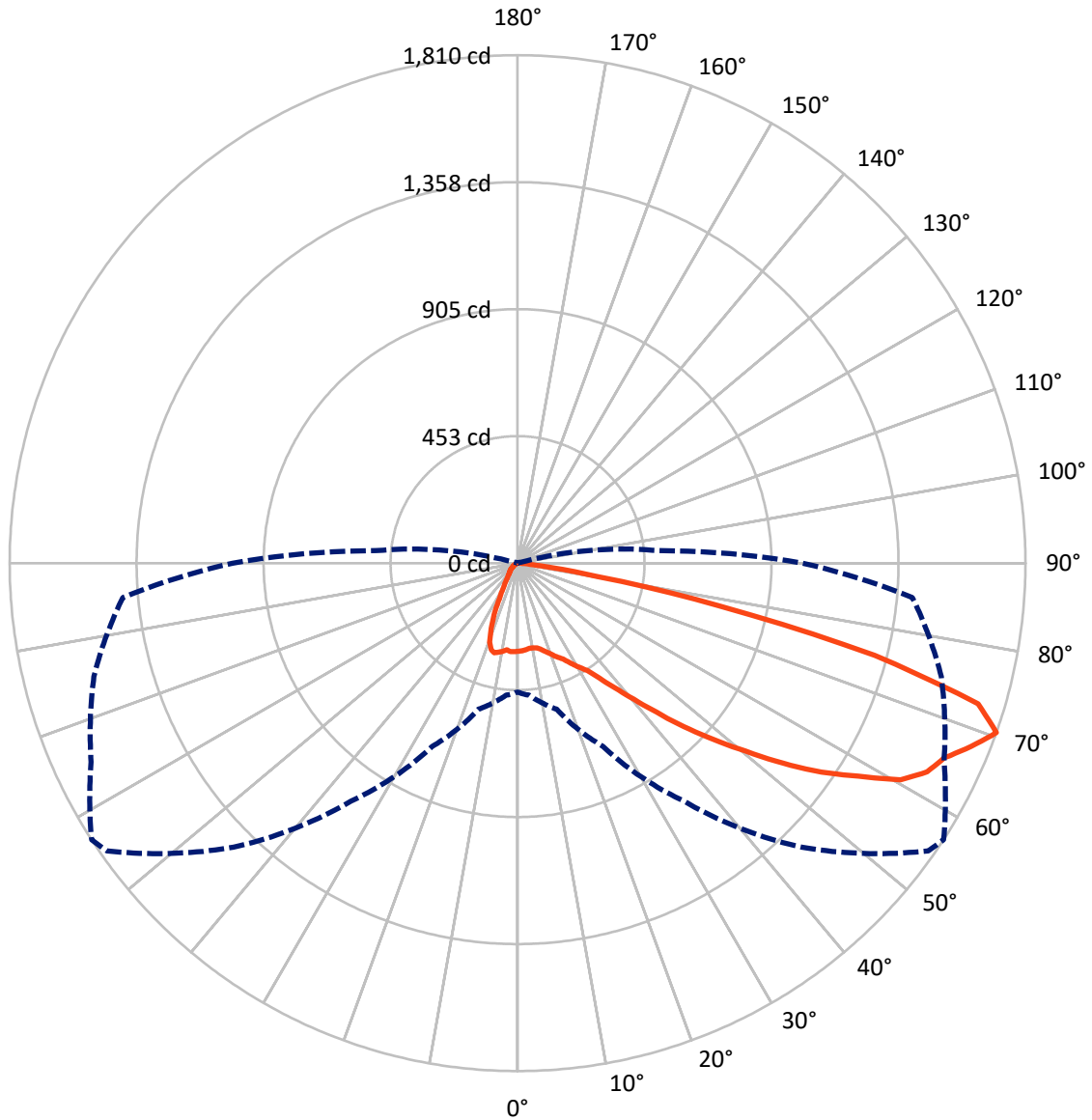
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 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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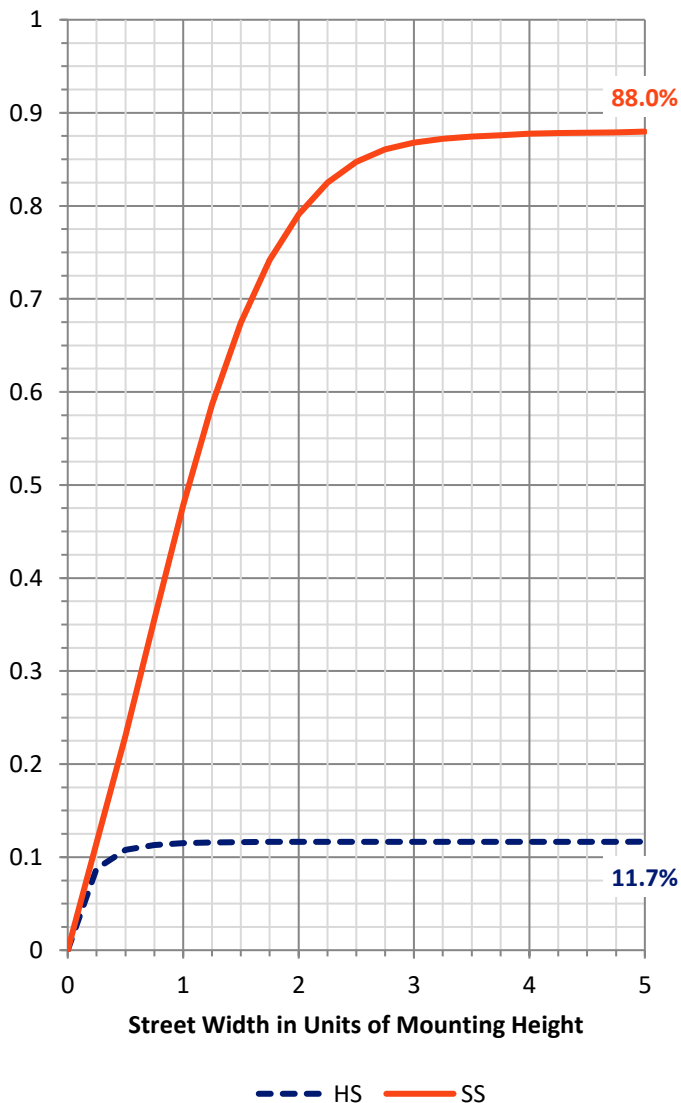
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	300.0	0.0	300.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2245.0	0.0	2245.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	2545.0	0.0	2545.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	1.2
10°-20°	82.0	3.2
20°-30°	138.2	5.4
30°-40°	236.5	9.3
40°-50°	397.2	15.6
50°-60°	609.6	24.0
60°-70°	703.8	27.7
70°-80°	332.5	13.1
80°-90°	15.8	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°	2545.0	100.0
0°-180°	2545.0	100.0



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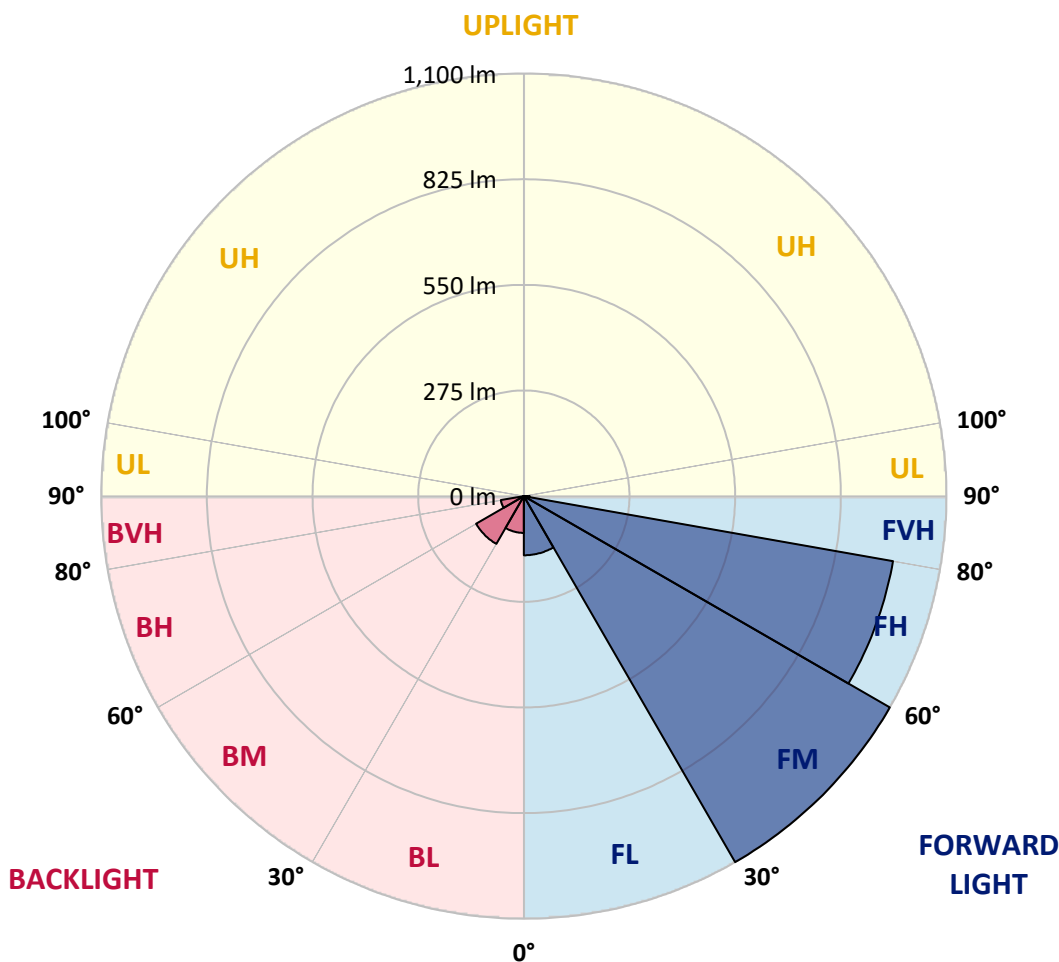
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.0	6.0			
FM (30°-60°)	1099.9	43.2			
FH (60°-80°)	975.6	38.3			G1/1800
FVH (80°-90°)	15.5	0.6			G1/100
BL (0°-30°)	95.6	3.8	B0/110		
BM (30°-60°)	143.4	5.6	B0/220		
BH (60°-80°)	60.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0
2.5°	309.5	307.5	309.5	312.1	309.5	311.4	310.8	312.7	310.1	310.1	312.1
5°	289.3	292.6	293.9	297.1	300.4	306.2	310.1	310.1	314.0	316.0	318.6
7.5°	282.2	277.0	282.2	284.8	288.0	297.8	303.6	306.2	311.4	318.6	322.5
10°	271.8	275.7	275.7	284.1	288.7	294.5	304.9	306.9	318.6	325.7	329.6
12.5°	271.1	271.1	274.4	280.2	289.3	300.4	313.4	309.5	321.8	334.8	341.3
15°	273.1	277.6	277.6	285.4	292.6	308.2	319.2	319.9	337.4	350.4	356.3
17.5°	281.5	279.6	282.2	286.7	297.8	312.7	330.9	332.9	353.0	370.6	379.0
20°	299.1	302.3	298.4	295.8	300.4	319.9	343.3	347.2	369.9	386.8	395.3
22.5°	364.7	362.1	346.5	328.3	320.5	329.6	355.0	364.1	390.7	410.9	418.0
25°	438.8	434.3	416.1	388.8	353.0	349.1	378.4	378.4	416.7	438.8	436.9
27.5°	509.1	507.8	486.3	457.7	407.0	379.0	397.2	404.4	446.0	464.2	455.7
30°	580.6	581.9	562.4	527.9	474.6	427.1	423.9	429.7	468.1	496.7	479.2
32.5°	663.8	652.1	638.4	591.0	542.2	488.9	458.4	455.7	492.8	518.8	495.4
35°	737.9	730.8	715.8	672.9	617.0	553.3	510.4	503.9	524.0	558.5	533.1
37.5°	802.9	795.8	776.3	747.7	704.1	633.2	572.8	563.0	571.5	607.9	577.3
40°	858.8	860.8	855.6	827.6	787.3	723.0	653.4	637.8	630.6	663.1	628.7
42.5°	899.1	918.0	919.3	884.8	852.3	817.2	739.2	726.9	710.0	737.3	713.2
45°	983.7	973.3	979.8	967.4	931.7	926.5	838.0	830.9	807.5	816.6	791.2
47.5°	1050.0	1048.0	1060.4	1040.2	1030.5	1031.1	950.5	938.2	905.0	921.9	893.3
50°	1088.3	1077.9	1122.8	1138.4	1136.4	1144.3	1064.3	1053.9	1022.0	1046.7	985.6
52.5°	1097.4	1116.3	1158.6	1215.1	1239.2	1255.4	1188.5	1184.6	1150.1	1165.7	1081.2
55°	1120.2	1138.4	1163.1	1256.1	1345.1	1349.0	1310.7	1314.6	1284.0	1280.1	1172.2
57.5°	1119.5	1115.6	1183.9	1291.8	1415.4	1471.3	1450.5	1431.6	1398.5	1360.1	1230.7
60°	1078.6	1076.6	1147.5	1296.4	1453.7	1581.8	1590.2	1568.1	1484.9	1428.4	1299.6
62.5°	997.3	1005.1	1076.6	1257.4	1490.1	1621.5	1652.7	1637.7	1534.3	1473.9	1380.9
65°	904.3	888.1	971.3	1159.9	1408.2	1609.8	1677.4	1672.2	1592.8	1523.3	1455.7
67.5°	725.6	732.7	796.4	998.0	1268.4	1566.8	1735.2	1743.0	1639.7	1566.8	1478.4
70°	459.7	472.7	539.0	721.0	1035.7	1431.6	1787.2	1810.0	1676.7	1562.9	1412.1
72.5°	133.9	139.1	229.5	359.5	659.9	1148.2	1704.0	1715.7	1604.6	1418.6	1092.2
75°	44.2	46.8	67.6	117.0	258.8	593.6	1258.7	1313.9	1276.9	1028.5	624.8
77.5°	29.3	30.6	37.1	55.9	98.2	185.9	674.8	734.0	719.7	481.8	201.5
80°	21.5	22.1	27.3	37.7	59.8	67.0	249.0	288.0	278.3	110.5	40.3
82.5°	13.7	13.7	20.2	26.7	37.7	33.2	72.2	80.0	78.0	42.3	15.6
85°	9.1	9.8	15.0	20.8	20.8	15.6	20.8	24.1	26.0	22.8	7.2
87.5°	2.6	3.3	8.5	14.3	8.5	7.8	7.2	7.8	9.1	12.4	3.9
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°	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0
2.5°	314.0	316.6	316.0	317.3	315.3	313.4	315.3	315.3	315.3	313.4	312.1
5°	316.6	315.3	316.6	314.0	316.6	314.0	312.7	308.8	308.2	308.2	310.8
7.5°	320.5	321.8	316.0	316.0	310.1	311.4	308.2	308.8	307.5	305.6	304.3
10°	326.4	331.6	325.7	323.8	317.3	312.1	304.3	300.4	300.4	297.8	300.4
12.5°	342.6	340.7	337.4	330.9	323.1	312.7	293.9	275.0	259.4	247.7	253.6
15°	355.6	355.0	350.4	338.1	327.7	295.8	248.4	199.6	173.6	161.9	159.9
17.5°	375.8	373.8	366.0	349.8	315.3	245.1	170.3	129.4	104.0	98.2	96.2
20°	394.6	394.0	377.1	356.3	284.1	178.8	111.2	85.2	78.0	78.7	77.4
22.5°	414.8	411.5	391.4	348.5	226.2	119.0	79.3	76.1	73.5	72.8	74.1
25°	437.5	425.8	405.7	330.9	166.4	81.9	74.8	72.2	69.6	68.9	68.9
27.5°	446.6	438.8	412.2	288.7	105.3	71.5	70.2	67.0	63.7	61.8	61.1
30°	467.5	454.4	418.7	226.9	74.8	65.7	63.7	59.8	55.3	52.0	52.0
32.5°	488.3	472.7	419.3	158.6	62.4	59.2	55.9	50.7	44.9	41.6	42.3
35°	514.3	492.8	412.2	102.7	55.9	52.0	45.5	39.7	34.5	31.9	31.9
37.5°	558.5	538.3	382.9	67.6	50.7	44.2	37.7	31.2	26.7	24.7	24.7
40°	614.4	588.4	342.6	53.3	44.9	37.7	29.9	24.1	21.5	19.5	19.5
42.5°	681.3	648.8	282.8	47.5	39.7	31.2	23.4	18.9	16.3	16.3	15.6
45°	748.3	695.0	221.7	43.6	35.1	26.0	18.2	15.0	13.7	13.0	13.0
47.5°	843.9	750.9	158.6	39.7	30.6	20.2	15.0	12.4	11.1	10.4	11.1
50°	935.6	803.6	112.5	35.8	25.4	16.3	12.4	11.1	9.8	9.1	9.1
52.5°	1016.2	840.0	78.7	31.2	21.5	13.7	11.1	9.8	9.1	8.5	8.5
55°	1060.4	827.6	54.0	26.7	17.6	11.7	9.8	8.5	7.8	7.2	7.2
57.5°	1105.9	793.2	41.0	22.1	14.3	11.1	9.1	7.8	7.2	6.5	6.5
60°	1144.3	767.8	31.9	17.6	11.7	9.1	7.8	6.5	5.9	5.2	4.6
62.5°	1146.2	717.1	23.4	13.0	9.1	7.8	6.5	5.2	3.3	2.6	2.0
65°	1154.0	663.8	16.9	9.8	6.5	5.9	4.6	2.6	1.3	0.0	0.0
67.5°	1126.7	600.7	13.7	7.2	4.6	3.3	2.0	0.7	0.0	0.0	0.0
70°	1015.5	507.1	10.4	5.2	3.3	2.0	0.7	0.0	0.0	0.0	0.0
72.5°	726.9	329.6	7.2	3.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0
75°	387.5	140.4	5.2	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	121.6	35.8	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	26.7	9.8	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.1	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.7	0.7	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)