

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: P676419

Luminaire Tested: **CCW-SA-1B-740-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676419
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-740-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) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

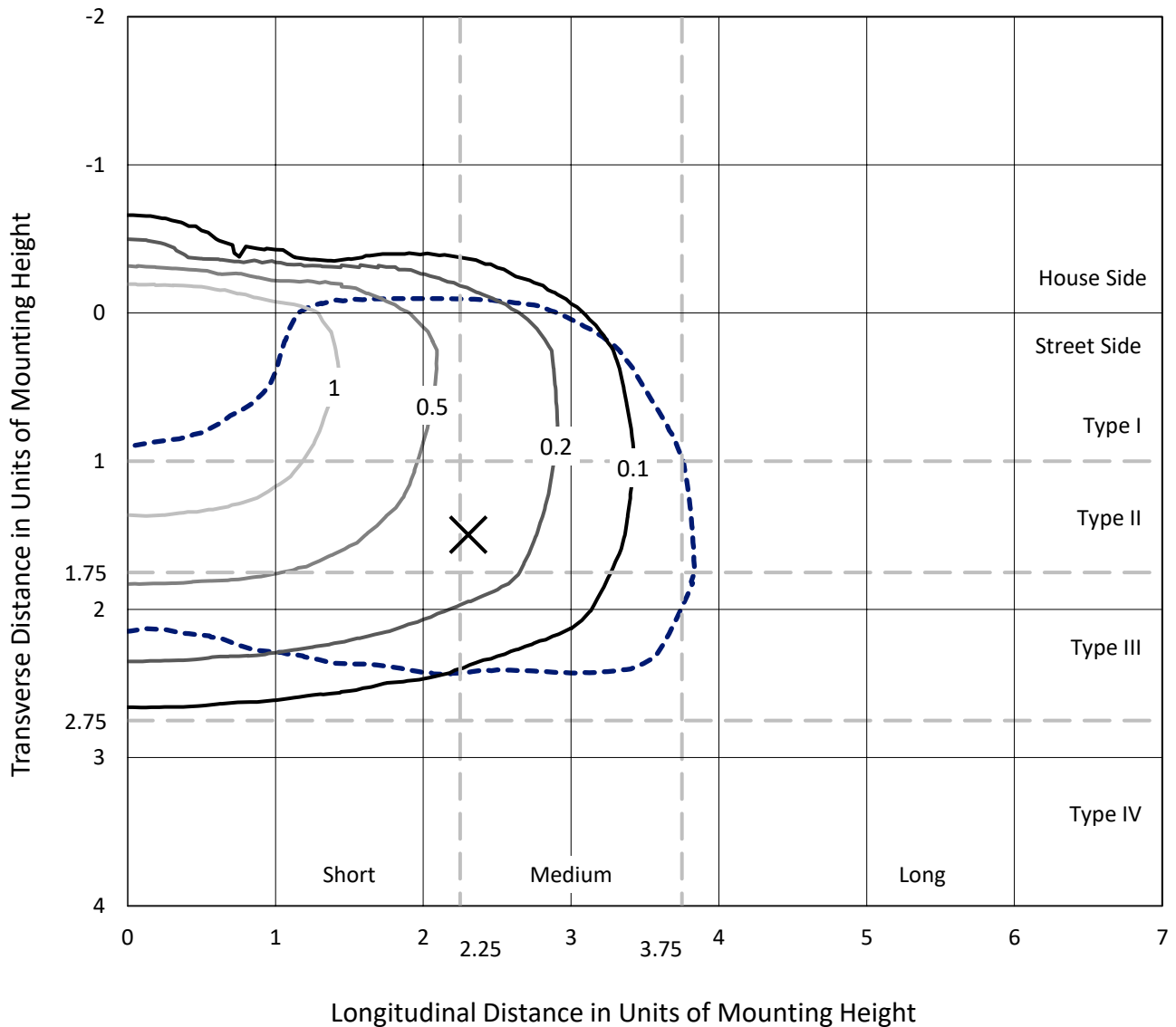
Lumens per Lamp: N/A
Luminaire Lumens: 2488 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

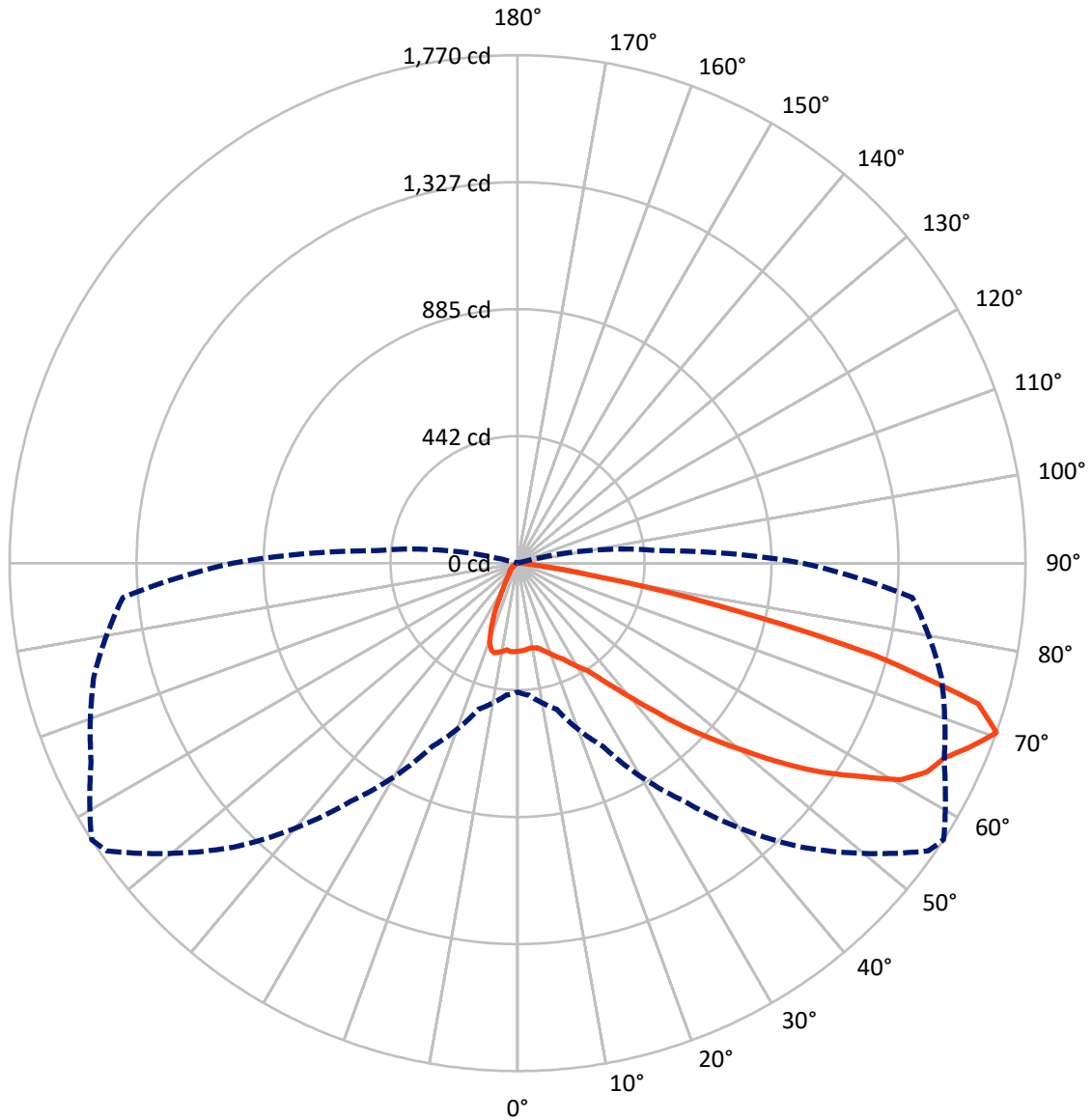
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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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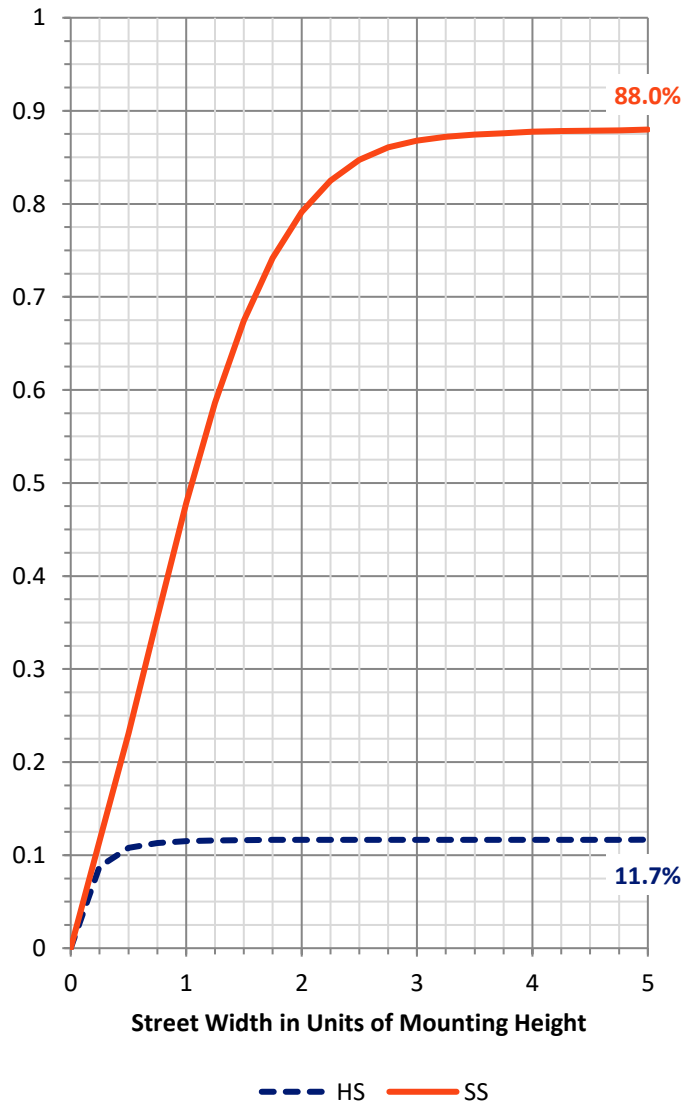
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.3	0.0	293.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2194.8	0.0	2194.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	2488.0	0.0	2488.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	1.2
10°-20°	80.2	3.2
20°-30°	135.1	5.4
30°-40°	231.2	9.3
40°-50°	388.3	15.6
50°-60°	596.0	24.0
60°-70°	688.1	27.7
70°-80°	325.0	13.1
80°-90°	15.4	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°	2488.0	100.0
0°-180°	2488.0	100.0

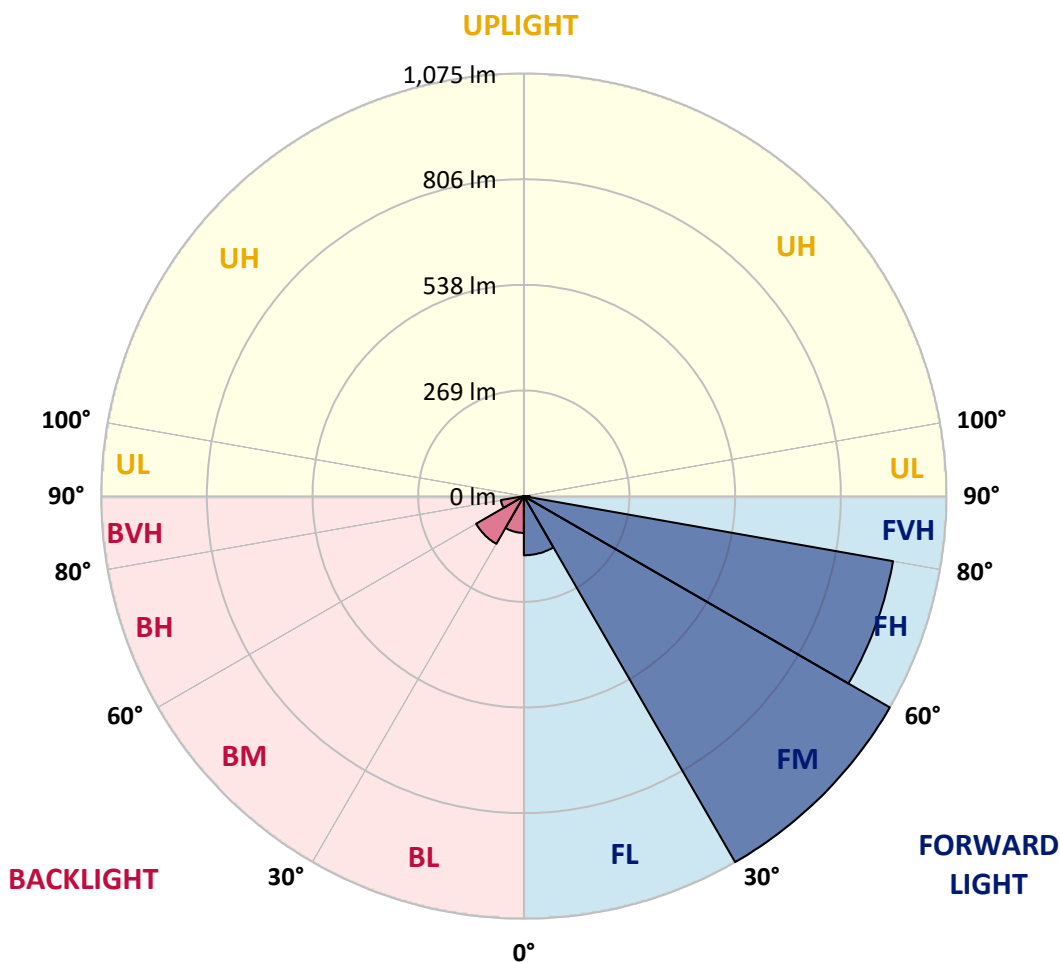


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.5	6.0			
FM (30°-60°)	1075.3	43.2			
FH (60°-80°)	953.8	38.3			G1/1800
FVH (80°-90°)	15.1	0.6			G1/100
BL (0°-30°)	93.5	3.8	B0/110		
BM (30°-60°)	140.2	5.6	B0/220		
BH (60°-80°)	59.3	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°	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0
2.5°	302.5	300.6	302.5	305.1	302.5	304.4	303.8	305.7	303.2	303.2	305.1
5°	282.8	286.0	287.3	290.5	293.6	299.4	303.2	303.2	307.0	308.9	311.4
7.5°	275.8	270.8	275.8	278.4	281.6	291.1	296.8	299.4	304.4	311.4	315.3
10°	265.7	269.5	269.5	277.8	282.2	287.9	298.1	300.0	311.4	318.4	322.2
12.5°	265.0	265.0	268.2	273.9	282.8	293.6	306.4	302.5	314.6	327.3	333.7
15°	266.9	271.4	271.4	279.0	286.0	301.3	312.1	312.7	329.9	342.6	348.3
17.5°	275.2	273.3	275.8	280.3	291.1	305.7	323.5	325.4	345.1	362.3	370.5
20°	292.4	295.5	291.7	289.2	293.6	312.7	335.6	339.4	361.6	378.2	386.4
22.5°	356.6	354.0	338.8	321.0	313.3	322.2	347.0	355.9	382.0	401.7	408.7
25°	429.0	424.6	406.8	380.1	345.1	341.3	369.9	369.9	407.4	429.0	427.1
27.5°	497.7	496.4	475.4	447.5	397.9	370.5	388.3	395.3	436.0	453.8	445.5
30°	567.6	568.9	549.8	516.1	464.0	417.6	414.4	420.1	457.6	485.6	468.4
32.5°	648.9	637.5	624.1	577.7	530.1	478.0	448.1	445.5	481.8	507.2	484.3
35°	721.4	714.4	699.8	657.8	603.2	540.9	498.9	492.6	512.3	546.0	521.2
37.5°	785.0	778.0	758.9	730.9	688.3	619.1	560.0	550.4	558.7	594.3	564.4
40°	839.6	841.5	836.4	809.1	769.7	706.8	638.8	623.5	616.5	648.3	614.6
42.5°	879.0	897.4	898.7	865.0	833.3	798.9	722.7	710.6	694.1	720.8	697.2
45°	961.6	951.5	957.8	945.8	910.8	905.7	819.3	812.3	789.4	798.3	773.5
47.5°	1026.5	1024.6	1036.6	1016.9	1007.4	1008.0	929.2	917.2	884.7	901.3	873.3
50°	1064.0	1053.8	1097.7	1112.9	1111.0	1118.6	1040.5	1030.3	999.1	1023.3	963.6
52.5°	1072.9	1091.3	1132.6	1187.9	1211.4	1227.3	1161.9	1158.0	1124.4	1139.6	1057.0
55°	1095.1	1112.9	1137.1	1228.0	1315.0	1318.8	1281.3	1285.2	1255.3	1251.5	1146.0
57.5°	1094.5	1090.7	1157.4	1262.9	1383.7	1438.3	1418.0	1399.6	1367.1	1329.6	1203.2
60°	1054.4	1052.5	1121.8	1267.4	1421.2	1546.4	1554.6	1533.0	1451.7	1396.4	1270.5
62.5°	975.0	982.6	1052.5	1229.2	1456.8	1585.2	1615.7	1601.0	1500.0	1440.9	1350.0
65°	884.1	868.2	949.6	1133.9	1376.7	1573.7	1639.8	1634.7	1557.2	1489.2	1423.1
67.5°	709.3	716.3	778.6	975.6	1240.0	1531.8	1696.4	1704.0	1603.0	1531.8	1445.3
70°	449.4	462.1	526.9	704.9	1012.5	1399.6	1747.2	1769.5	1639.2	1528.0	1380.5
72.5°	130.9	136.0	224.4	351.5	645.1	1122.4	1665.9	1677.3	1568.6	1386.9	1067.8
75°	43.2	45.8	66.1	114.4	253.0	580.3	1230.5	1284.5	1248.3	1005.5	610.8
77.5°	28.6	29.9	36.2	54.7	96.0	181.8	659.7	717.6	703.6	471.0	197.0
80°	21.0	21.6	26.7	36.9	58.5	65.5	243.4	281.6	272.0	108.0	39.4
82.5°	13.3	13.3	19.7	26.1	36.9	32.4	70.6	78.2	76.3	41.3	15.3
85°	8.9	9.5	14.6	20.3	20.3	15.3	20.3	23.5	25.4	22.2	7.0
87.5°	2.5	3.2	8.3	14.0	8.3	7.6	7.0	7.6	8.9	12.1	3.8
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°	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0
2.5°	307.0	309.5	308.9	310.2	308.3	306.4	308.3	308.3	308.3	306.4	305.1
5°	309.5	308.3	309.5	307.0	309.5	307.0	305.7	301.9	301.3	301.3	303.8
7.5°	313.3	314.6	308.9	308.9	303.2	304.4	301.3	301.9	300.6	298.7	297.5
10°	319.1	324.1	318.4	316.5	310.2	305.1	297.5	293.6	293.6	291.1	293.6
12.5°	335.0	333.0	329.9	323.5	315.9	305.7	287.3	268.9	253.6	242.2	247.9
15°	347.7	347.0	342.6	330.5	320.3	289.2	242.8	195.1	169.7	158.3	156.4
17.5°	367.4	365.5	357.8	341.9	308.3	239.6	166.5	126.5	101.7	96.0	94.1
20°	385.8	385.2	368.6	348.3	277.8	174.8	108.7	83.3	76.3	76.9	75.6
22.5°	405.5	402.3	382.6	340.7	221.2	116.3	77.5	74.4	71.8	71.2	72.5
25°	427.8	416.3	396.6	323.5	162.7	80.1	73.1	70.6	68.0	67.4	67.4
27.5°	436.6	429.0	403.0	282.2	103.0	69.9	68.6	65.5	62.3	60.4	59.7
30°	457.0	444.3	409.3	221.8	73.1	64.2	62.3	58.5	54.0	50.8	50.8
32.5°	477.3	462.1	410.0	155.1	61.0	57.8	54.7	49.6	43.9	40.7	41.3
35°	502.7	481.8	403.0	100.4	54.7	50.8	44.5	38.8	33.7	31.1	31.1
37.5°	546.0	526.3	374.4	66.1	49.6	43.2	36.9	30.5	26.1	24.2	24.2
40°	600.6	575.2	335.0	52.1	43.9	36.9	29.2	23.5	21.0	19.1	19.1
42.5°	666.1	634.3	276.5	46.4	38.8	30.5	22.9	18.4	15.9	15.9	15.3
45°	731.6	679.4	216.7	42.6	34.3	25.4	17.8	14.6	13.3	12.7	12.7
47.5°	825.0	734.1	155.1	38.8	29.9	19.7	14.6	12.1	10.8	10.2	10.8
50°	914.6	785.6	110.0	35.0	24.8	15.9	12.1	10.8	9.5	8.9	8.9
52.5°	993.4	821.2	76.9	30.5	21.0	13.3	10.8	9.5	8.9	8.3	8.3
55°	1036.6	809.1	52.8	26.1	17.2	11.4	9.5	8.3	7.6	7.0	7.0
57.5°	1081.1	775.4	40.0	21.6	14.0	10.8	8.9	7.6	7.0	6.4	6.4
60°	1118.6	750.6	31.1	17.2	11.4	8.9	7.6	6.4	5.7	5.1	4.4
62.5°	1120.5	701.1	22.9	12.7	8.9	7.6	6.4	5.1	3.2	2.5	1.9
65°	1128.2	648.9	16.5	9.5	6.4	5.7	4.4	2.5	1.3	0.0	0.0
67.5°	1101.5	587.3	13.3	7.0	4.4	3.2	1.9	0.6	0.0	0.0	0.0
70°	992.8	495.8	10.2	5.1	3.2	1.9	0.6	0.0	0.0	0.0	0.0
72.5°	710.6	322.2	7.0	3.8	1.3	0.6	0.0	0.0	0.0	0.0	0.0
75°	378.8	137.3	5.1	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	118.9	35.0	3.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	26.1	9.5	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.9	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.6	0.6	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)