

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: P676574

Luminaire Tested: **CCW-SA-1B-750-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676574
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-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

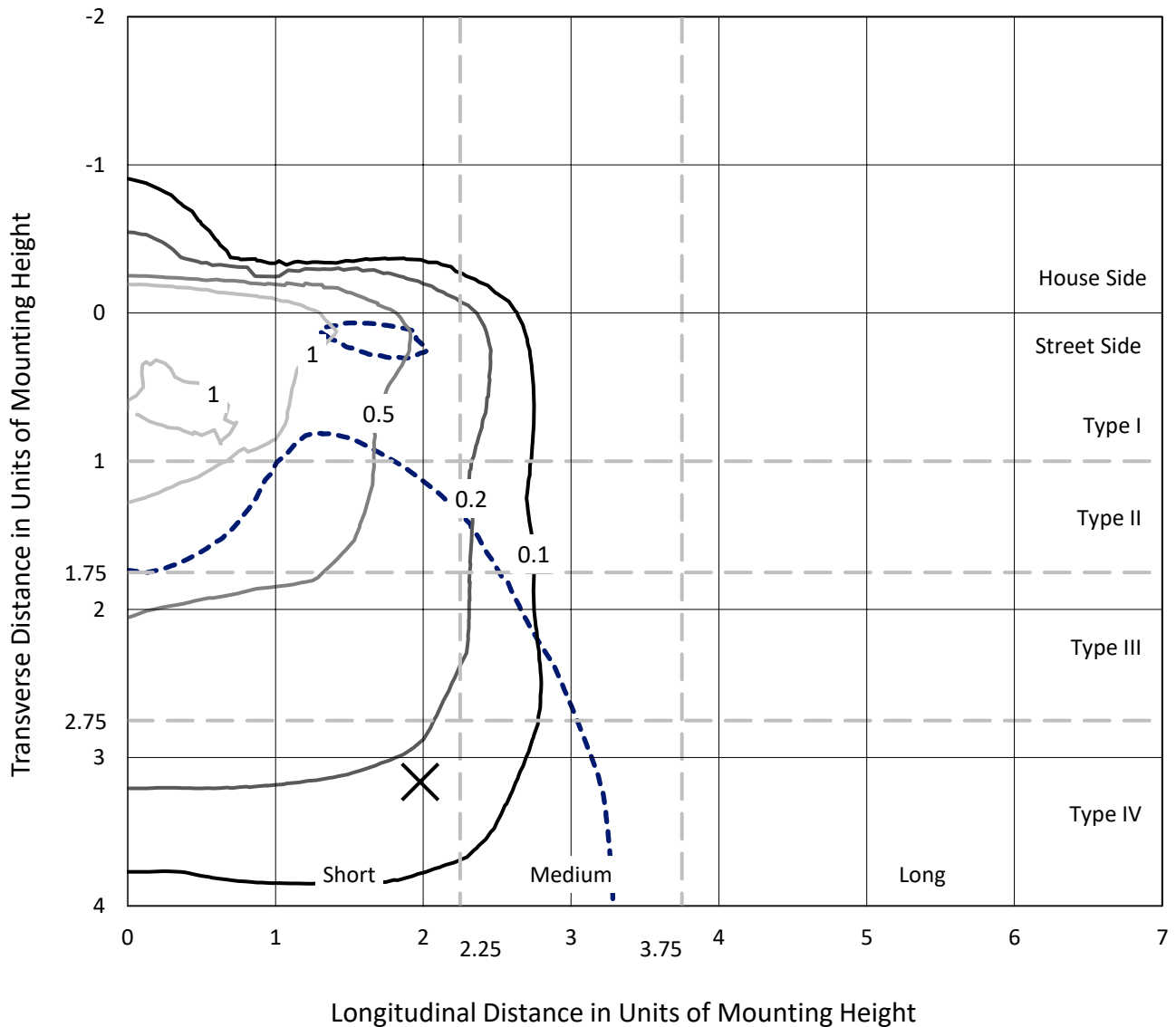
Lumens per Lamp: N/A
Luminaire Lumens: 2536.7 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): 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

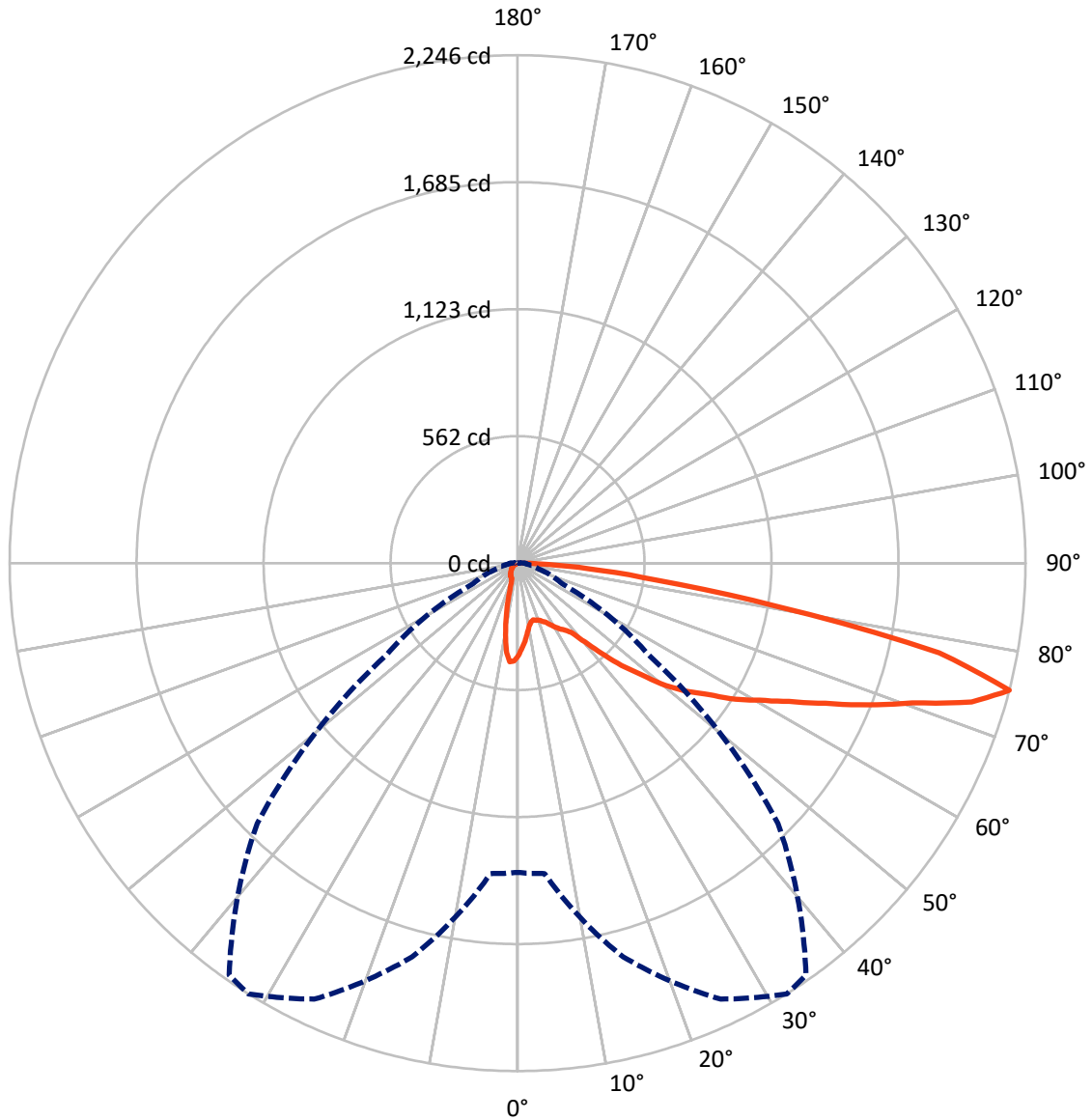
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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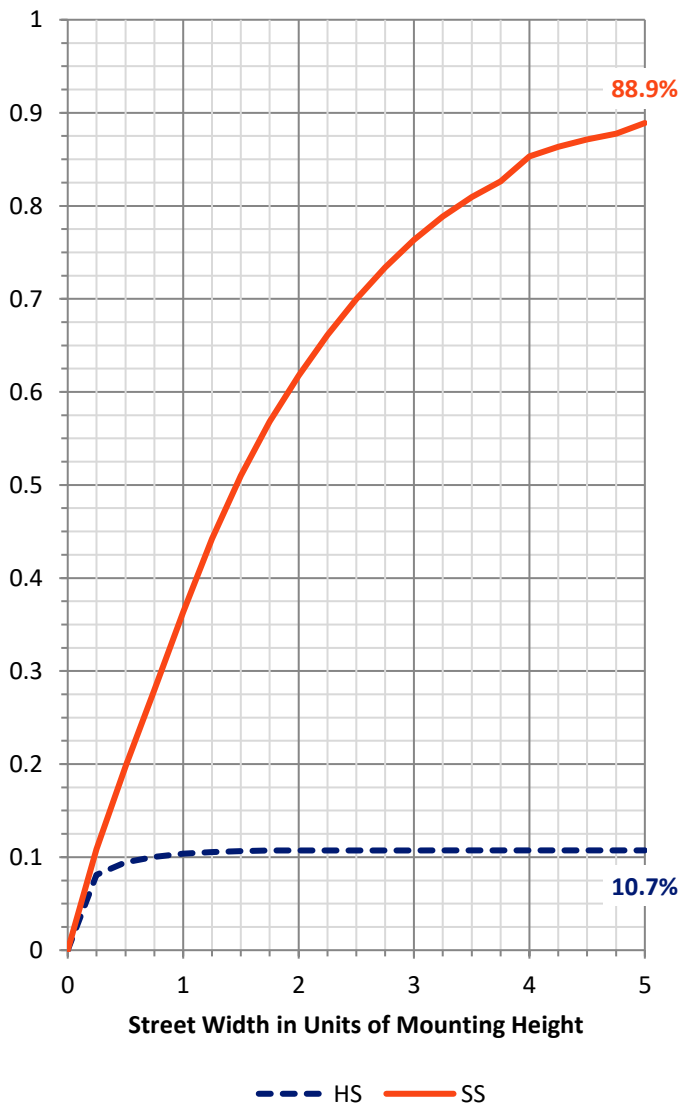
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	274.1	0.0	274.1
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2262.6	0.0	2262.6
	% Fixture	89.2	0.0	89.2
Total	Lumens	2536.7	0.0	2536.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.4
10°-20°	81.7	3.2
20°-30°	122.4	4.8
30°-40°	187.8	7.4
40°-50°	328.4	12.9
50°-60°	513.4	20.2
60°-70°	663.7	26.2
70°-80°	540.6	21.3
80°-90°	62.6	2.5
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°	2536.7	100.0
0°-180°	2536.7	100.0



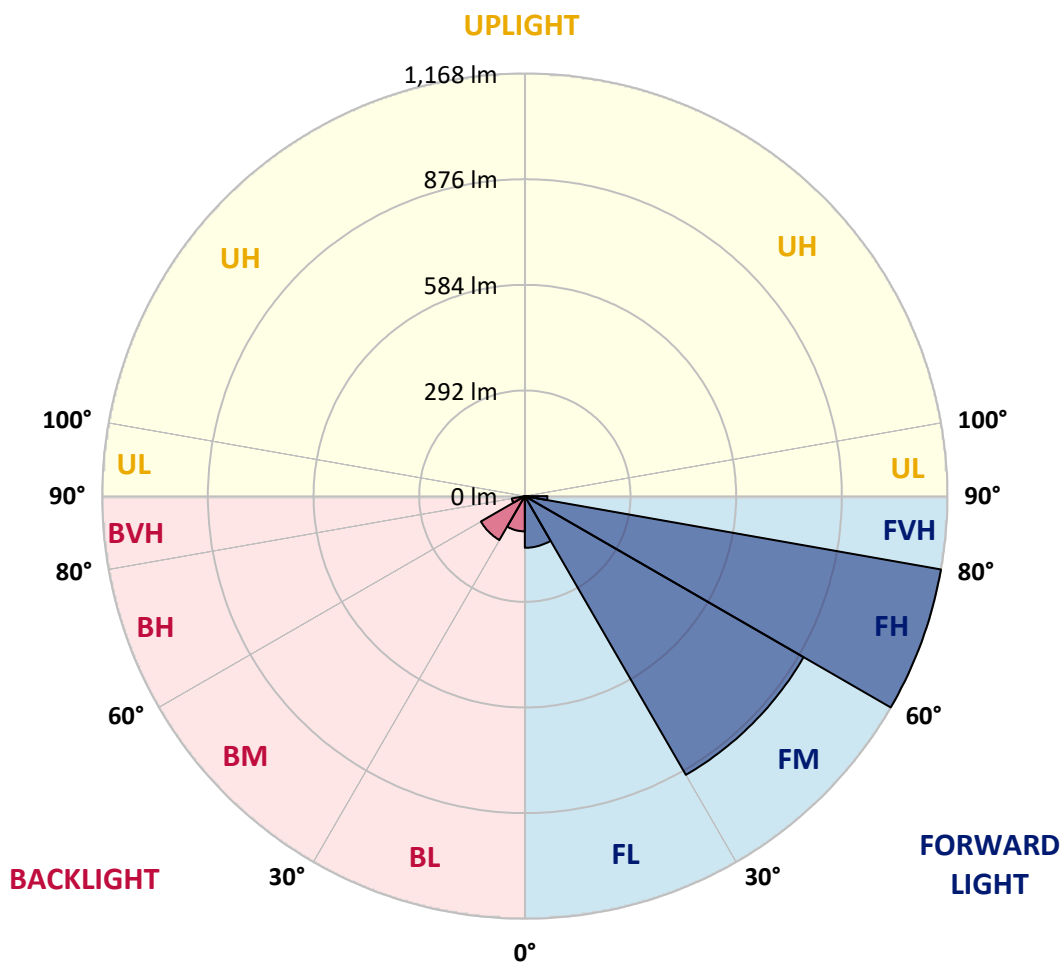
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.7	5.6			
FM (30°-60°)	889.5	35.1			
FH (60°-80°)	1167.9	46.0			G1/1800
FVH (80°-90°)	62.5	2.5			G1/100
BL (0°-30°)	97.3	3.8	B0/110		
BM (30°-60°)	140.2	5.5	B0/220		
BH (60°-80°)	36.5	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6
2.5°	367.3	372.5	371.9	375.1	375.8	377.7	382.3	382.3	395.3	404.4	410.2
5°	334.2	330.9	332.2	336.1	345.9	345.2	356.3	362.1	377.7	390.7	404.4
7.5°	293.2	292.6	295.2	304.3	311.4	317.3	329.0	343.9	364.7	384.2	408.3
10°	267.2	265.9	271.1	273.7	282.2	286.1	304.3	327.7	352.4	380.3	408.3
12.5°	261.4	256.8	259.4	258.8	266.6	268.5	286.1	314.7	344.6	379.0	413.5
15°	264.6	261.4	258.8	258.8	260.7	262.0	280.9	306.2	340.0	381.0	425.2
17.5°	275.0	273.1	265.3	257.5	265.9	265.9	277.6	304.3	340.7	386.8	439.5
20°	287.4	285.4	271.8	262.7	268.5	275.0	287.4	308.8	342.6	391.4	461.6
22.5°	301.0	301.0	282.2	271.8	279.6	280.2	302.3	323.1	350.4	403.1	475.9
25°	317.9	316.6	298.4	286.7	289.3	296.5	316.6	338.7	364.7	419.3	502.6
27.5°	340.0	338.1	316.6	304.9	308.2	316.0	338.7	360.8	377.7	425.8	525.3
30°	358.2	356.3	338.7	321.2	328.3	335.5	362.1	381.6	394.0	438.2	551.3
32.5°	362.1	358.9	347.2	339.4	347.2	360.8	381.6	401.8	420.6	469.4	600.7
35°	407.0	395.3	364.7	352.4	364.1	368.6	403.1	438.8	457.0	494.1	656.0
37.5°	492.8	481.8	441.4	407.0	390.7	395.9	440.8	485.0	502.6	540.3	716.5
40°	598.1	579.9	537.0	490.9	457.7	451.2	480.5	545.5	562.4	598.1	795.8
42.5°	718.4	700.9	634.5	579.9	546.1	537.7	542.2	615.7	630.0	651.4	847.8
45°	804.9	795.8	721.0	672.2	645.6	636.5	625.4	692.4	710.6	717.8	923.2
47.5°	854.9	848.4	806.8	773.7	737.9	728.2	735.3	799.0	786.7	792.5	995.4
50°	921.9	905.0	848.4	858.8	851.7	849.1	861.4	889.4	871.2	854.3	1074.0
52.5°	975.9	946.0	906.3	931.7	942.7	952.5	996.0	1016.8	935.6	909.5	1124.7
55°	1009.0	980.4	990.8	1014.2	1025.9	1070.8	1122.1	1106.5	977.8	953.8	1192.4
57.5°	1038.9	1040.9	1068.8	1076.0	1135.8	1143.6	1242.4	1191.7	1007.7	994.1	1219.0
60°	1111.1	1103.9	1126.7	1172.9	1230.1	1273.6	1367.9	1248.9	1022.7	1014.9	1211.9
62.5°	1241.1	1196.9	1204.7	1263.2	1347.1	1394.6	1440.1	1274.9	1018.8	1018.1	1190.4
65°	1406.3	1355.5	1332.1	1386.7	1495.3	1562.3	1521.3	1304.2	992.8	1011.0	1110.4
67.5°	1543.4	1544.1	1500.5	1531.1	1672.8	1687.1	1598.0	1298.3	949.2	954.4	915.4
70°	1701.4	1722.9	1684.5	1780.1	1851.0	1860.1	1685.8	1250.2	855.6	719.7	526.0
72.5°	1741.7	1752.8	1872.4	2019.3	2099.3	2101.9	1772.3	1089.6	563.0	317.9	163.2
75°	1367.9	1378.3	1802.2	2127.3	2246.2	2223.5	1628.0	707.4	219.1	93.0	39.0
77.5°	763.3	766.5	1118.9	1719.6	1905.6	1813.9	1140.3	275.7	88.4	53.3	18.2
80°	208.7	245.1	414.8	847.8	1163.8	1142.3	542.9	89.7	57.2	41.6	8.5
82.5°	50.1	54.0	133.3	375.1	615.0	641.7	161.9	45.5	39.7	34.5	4.6
85°	18.2	20.2	41.0	182.7	316.0	290.0	48.8	22.8	29.3	26.7	2.0
87.5°	6.5	6.5	13.0	59.8	92.3	69.6	16.3	7.8	15.0	16.3	0.7
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°	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6
2.5°	410.9	410.9	420.0	427.8	430.4	433.6	430.4	437.5	436.9	433.6	434.9
5°	411.5	423.2	431.0	436.2	438.8	438.2	439.5	431.7	427.1	423.9	420.6
7.5°	414.8	425.8	440.1	438.8	431.7	416.7	405.0	384.2	364.1	363.4	360.2
10°	425.8	435.6	444.0	438.8	412.8	367.3	330.3	302.3	277.0	265.3	266.6
12.5°	433.6	451.8	447.9	421.3	367.3	307.5	252.9	211.9	189.2	167.7	167.7
15°	449.9	456.4	455.1	395.9	311.4	239.9	173.6	132.0	107.9	98.2	96.9
17.5°	465.5	472.7	450.5	357.6	256.2	161.2	105.3	81.9	78.7	77.4	78.0
20°	485.0	485.7	446.6	319.2	192.4	102.1	75.4	73.5	74.1	73.5	73.5
22.5°	505.8	510.4	433.0	265.3	128.1	74.1	70.2	70.9	70.9	70.9	72.8
25°	533.1	526.0	411.5	213.9	83.9	68.3	68.3	68.9	68.9	68.9	69.6
27.5°	551.3	541.6	384.2	154.1	65.7	64.4	65.7	65.7	67.0	67.0	67.0
30°	589.0	563.7	349.8	99.5	59.2	61.1	62.4	63.7	64.4	65.7	66.3
32.5°	618.3	583.2	306.9	66.3	54.0	55.3	58.5	61.1	63.7	63.1	63.1
35°	671.6	615.0	267.2	52.7	49.4	49.4	52.7	57.2	61.1	62.4	62.4
37.5°	732.7	641.0	211.9	48.1	45.5	45.5	47.5	52.7	57.9	60.5	59.2
40°	783.4	670.9	156.7	44.9	42.3	42.3	43.6	47.5	53.3	57.9	58.5
42.5°	819.2	693.0	106.0	41.6	39.7	39.0	41.0	42.9	47.5	54.0	55.3
45°	851.7	704.8	65.7	38.4	37.1	37.1	37.1	39.0	42.3	48.1	49.4
47.5°	909.5	717.8	47.5	35.8	33.8	34.5	35.1	35.8	38.4	39.7	40.3
50°	958.3	727.5	39.0	33.2	31.9	32.5	32.5	32.5	33.8	31.9	31.9
52.5°	995.4	717.8	33.2	30.6	29.3	29.9	29.3	29.3	28.0	25.4	25.4
55°	1022.7	700.2	26.7	28.0	28.0	28.0	26.7	24.7	22.1	20.2	20.2
57.5°	1029.8	670.3	20.8	23.4	25.4	25.4	22.8	20.2	16.9	15.0	14.3
60°	1018.8	605.3	15.6	16.9	19.5	20.2	18.2	15.0	11.7	9.8	9.8
62.5°	979.1	553.9	12.4	11.1	14.3	15.0	13.0	9.8	6.5	4.6	3.9
65°	903.7	474.6	9.1	7.8	9.8	10.4	8.5	4.6	2.0	0.7	0.0
67.5°	724.9	357.6	5.9	5.2	6.5	6.5	3.9	1.3	0.0	0.0	0.0
70°	401.1	200.9	3.9	2.6	3.3	2.0	0.7	0.0	0.0	0.0	0.0
72.5°	115.7	57.2	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	31.2	13.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.7	5.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	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)