

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: P676408

Luminaire Tested: **CCW-SA-1B-735-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676408
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-735-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) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

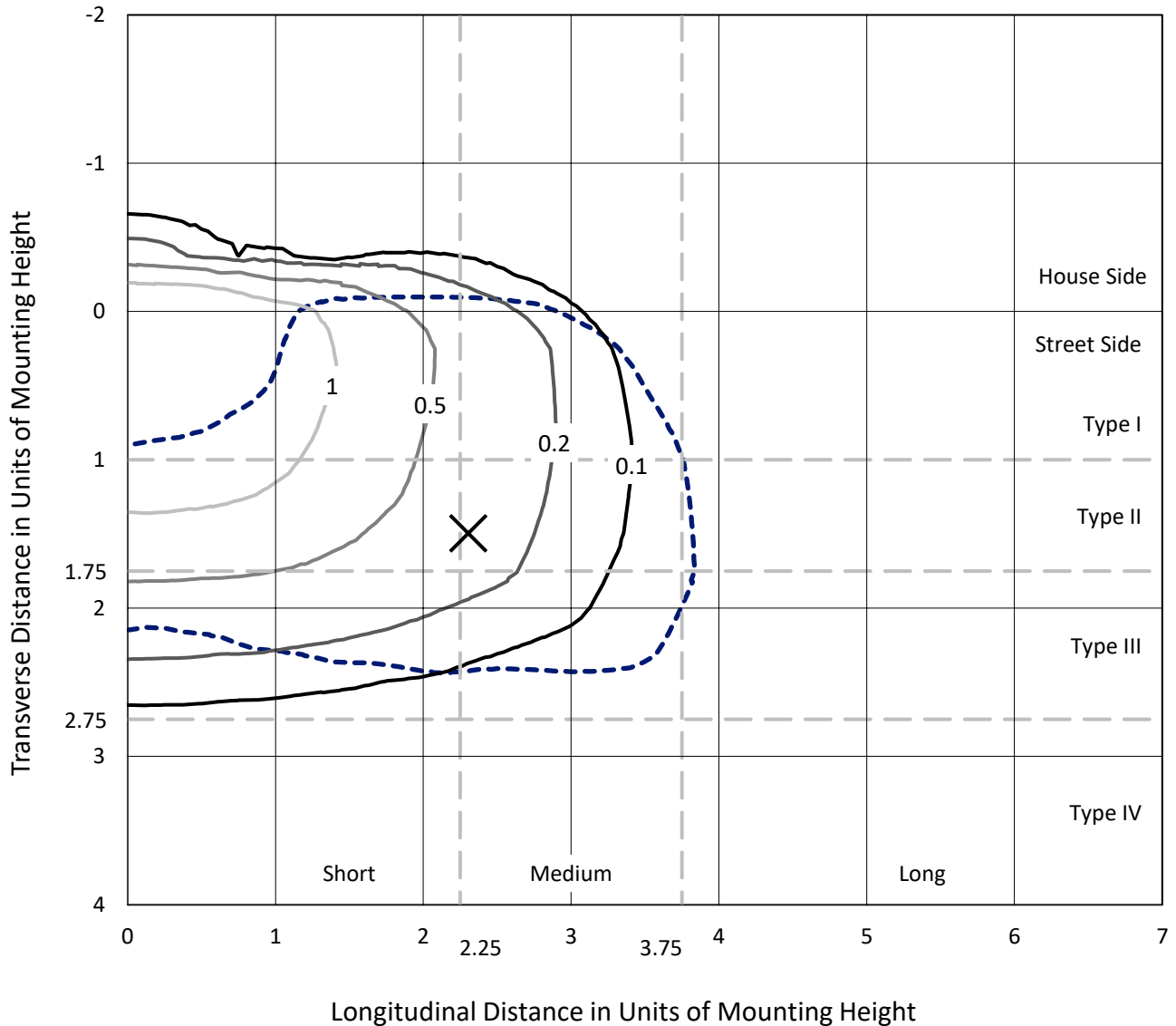
Lumens per Lamp: N/A
Luminaire Lumens: 2453.9 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

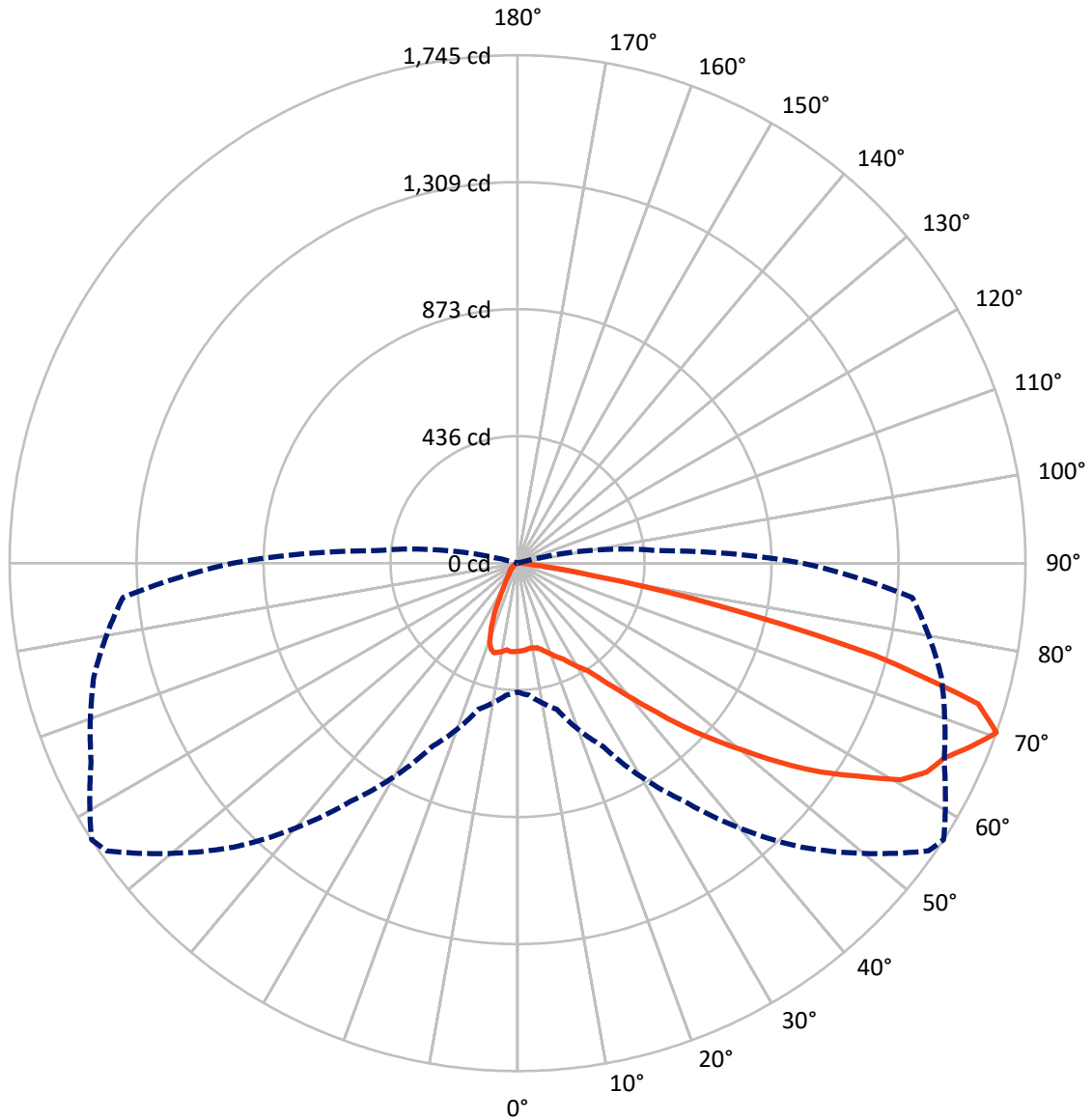
× Max cd
 - - - 1/2 Max cd



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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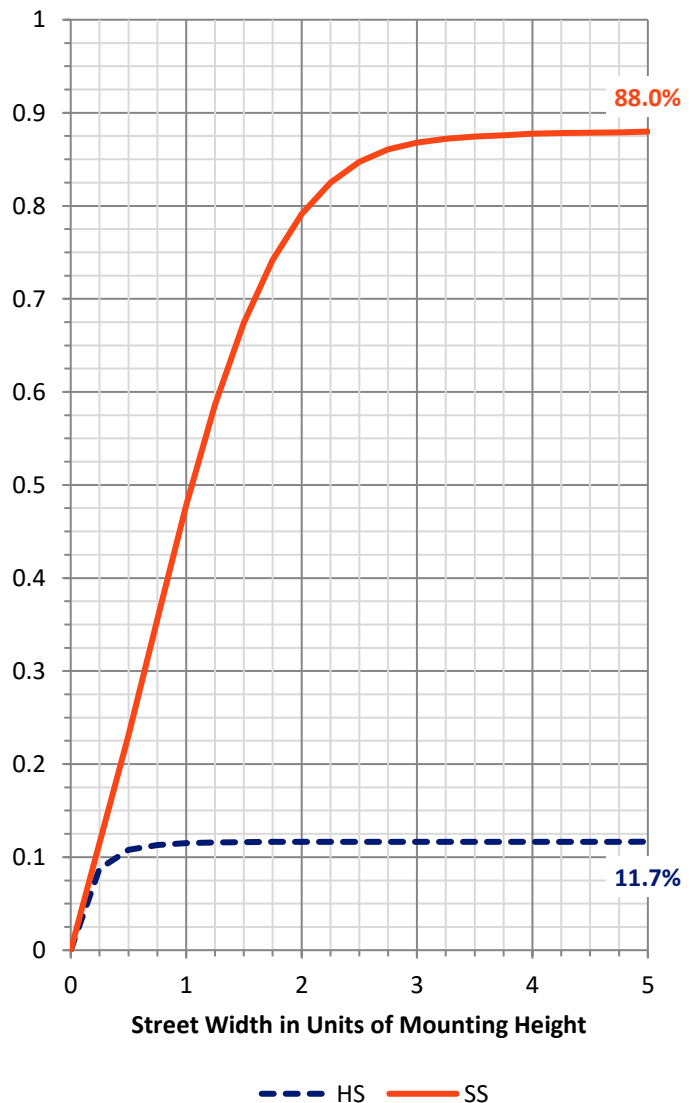
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.3	0.0	289.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2164.7	0.0	2164.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	2453.9	0.0	2453.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	1.2
10°-20°	79.1	3.2
20°-30°	133.3	5.4
30°-40°	228.1	9.3
40°-50°	382.9	15.6
50°-60°	587.8	24.0
60°-70°	678.7	27.7
70°-80°	320.6	13.1
80°-90°	15.2	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°	2453.9	100.0
0°-180°	2453.9	100.0

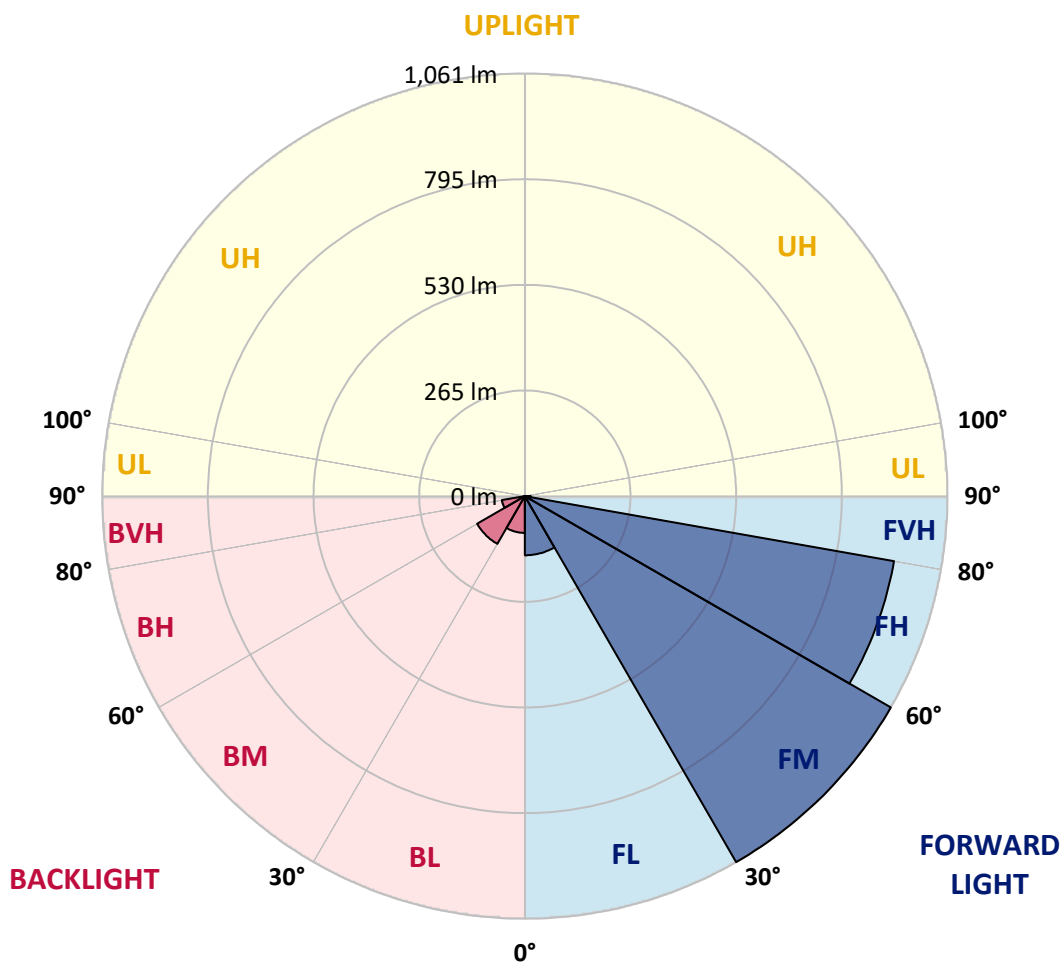


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.5	6.0			
FM (30°-60°)	1060.6	43.2			
FH (60°-80°)	940.7	38.3			G1/1800
FVH (80°-90°)	14.9	0.6			G1/100
BL (0°-30°)	92.2	3.8	B0/110		
BM (30°-60°)	138.3	5.6	B0/220		
BH (60°-80°)	58.5	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°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8
2.5°	298.4	296.5	298.4	300.9	298.4	300.3	299.6	301.5	299.0	299.0	300.9
5°	279.0	282.1	283.3	286.5	289.6	295.3	299.0	299.0	302.8	304.7	307.2
7.5°	272.1	267.1	272.1	274.6	277.7	287.1	292.8	295.3	300.3	307.2	310.9
10°	262.0	265.8	265.8	273.9	278.3	284.0	294.0	295.9	307.2	314.1	317.8
12.5°	261.4	261.4	264.5	270.2	279.0	289.6	302.2	298.4	310.3	322.8	329.1
15°	263.3	267.7	267.7	275.2	282.1	297.1	307.8	308.4	325.4	337.9	343.5
17.5°	271.4	269.6	272.1	276.5	287.1	301.5	319.1	321.0	340.4	357.3	365.5
20°	288.4	291.5	287.7	285.2	289.6	308.4	331.0	334.8	356.7	373.0	381.1
22.5°	351.7	349.2	334.1	316.6	309.1	317.8	342.3	351.1	376.8	396.2	403.1
25°	423.1	418.8	401.2	374.9	340.4	336.6	364.8	364.8	401.8	423.1	421.3
27.5°	490.8	489.6	468.9	441.3	392.4	365.5	383.0	389.9	430.0	447.6	439.4
30°	559.8	561.1	542.3	509.0	457.6	411.9	408.7	414.4	451.4	478.9	462.0
32.5°	640.0	628.8	615.6	569.8	522.8	471.4	442.0	439.4	475.2	500.2	477.7
35°	711.5	704.6	690.2	648.8	594.9	533.5	492.1	485.8	505.3	538.5	514.0
37.5°	774.2	767.3	748.5	720.9	678.9	610.6	552.3	542.9	551.0	586.1	556.7
40°	828.1	830.0	825.0	798.0	759.2	697.1	630.0	615.0	608.1	639.4	606.2
42.5°	867.0	885.2	886.4	853.2	821.8	788.0	712.8	700.9	684.6	710.9	687.7
45°	948.5	938.4	944.7	932.8	898.3	893.3	808.0	801.2	778.6	787.4	762.9
47.5°	1012.4	1010.5	1022.4	1003.0	993.6	994.2	916.5	904.6	872.6	888.9	861.3
50°	1049.4	1039.4	1082.6	1097.7	1095.8	1103.3	1026.2	1016.2	985.5	1009.3	950.3
52.5°	1058.2	1076.4	1117.1	1171.6	1194.8	1210.5	1145.9	1142.2	1108.9	1124.0	1042.5
55°	1080.1	1097.7	1121.5	1211.1	1297.0	1300.8	1263.8	1267.6	1238.1	1234.3	1130.3
57.5°	1079.5	1075.7	1141.5	1245.6	1364.7	1418.6	1398.6	1380.4	1348.4	1311.4	1186.7
60°	1040.0	1038.1	1106.4	1250.0	1401.7	1525.2	1533.3	1512.0	1431.8	1377.3	1253.1
62.5°	961.6	969.2	1038.1	1212.4	1436.8	1563.4	1593.5	1579.1	1479.4	1421.1	1331.5
65°	872.0	856.3	936.6	1118.4	1357.8	1552.2	1617.3	1612.3	1535.9	1468.8	1403.6
67.5°	699.6	706.5	767.9	962.3	1223.0	1510.8	1673.1	1680.7	1581.0	1510.8	1425.5
70°	443.2	455.7	519.7	695.2	998.6	1380.4	1723.3	1745.2	1616.7	1507.0	1361.6
72.5°	129.1	134.2	221.3	346.7	636.3	1107.1	1643.1	1654.3	1547.1	1367.9	1053.2
75°	42.6	45.1	65.2	112.8	249.5	572.3	1213.6	1266.9	1231.2	991.7	602.4
77.5°	28.2	29.5	35.7	53.9	94.7	179.3	650.7	707.7	694.0	464.5	194.3
80°	20.7	21.3	26.3	36.4	57.7	64.6	240.1	277.7	268.3	106.6	38.9
82.5°	13.2	13.2	19.4	25.7	36.4	32.0	69.6	77.1	75.2	40.7	15.0
85°	8.8	9.4	14.4	20.1	20.1	15.0	20.1	23.2	25.1	21.9	6.9
87.5°	2.5	3.1	8.1	13.8	8.1	7.5	6.9	7.5	8.8	11.9	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°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8
2.5°	302.8	305.3	304.7	305.9	304.0	302.2	304.0	304.0	304.0	302.2	300.9
5°	305.3	304.0	305.3	302.8	305.3	302.8	301.5	297.8	297.1	297.1	299.6
7.5°	309.1	310.3	304.7	304.7	299.0	300.3	297.1	297.8	296.5	294.6	293.4
10°	314.7	319.7	314.1	312.2	305.9	300.9	293.4	289.6	289.6	287.1	289.6
12.5°	330.4	328.5	325.4	319.1	311.6	301.5	283.3	265.2	250.1	238.8	244.5
15°	342.9	342.3	337.9	326.0	315.9	285.2	239.5	192.5	167.4	156.1	154.2
17.5°	362.3	360.5	352.9	337.3	304.0	236.3	164.2	124.7	100.3	94.7	92.8
20°	380.5	379.9	363.6	343.5	273.9	172.4	107.2	82.1	75.2	75.9	74.6
22.5°	399.9	396.8	377.4	336.0	218.2	114.7	76.5	73.3	70.8	70.2	71.5
25°	421.9	410.6	391.2	319.1	160.5	79.0	72.1	69.6	67.1	66.4	66.4
27.5°	430.7	423.1	397.4	278.3	101.6	69.0	67.7	64.6	61.4	59.6	58.9
30°	450.7	438.2	403.7	218.8	72.1	63.3	61.4	57.7	53.3	50.2	50.2
32.5°	470.8	455.7	404.3	153.0	60.2	57.0	53.9	48.9	43.3	40.1	40.7
35°	495.9	475.2	397.4	99.0	53.9	50.2	43.9	38.2	33.2	30.7	30.7
37.5°	538.5	519.1	369.2	65.2	48.9	42.6	36.4	30.1	25.7	23.8	23.8
40°	592.4	567.3	330.4	51.4	43.3	36.4	28.8	23.2	20.7	18.8	18.8
42.5°	657.0	625.6	272.7	45.8	38.2	30.1	22.6	18.2	15.7	15.7	15.0
45°	721.5	670.1	213.8	42.0	33.9	25.1	17.6	14.4	13.2	12.5	12.5
47.5°	813.7	724.0	153.0	38.2	29.5	19.4	14.4	11.9	10.7	10.0	10.7
50°	902.1	774.8	108.5	34.5	24.4	15.7	11.9	10.7	9.4	8.8	8.8
52.5°	979.8	809.9	75.9	30.1	20.7	13.2	10.7	9.4	8.8	8.1	8.1
55°	1022.4	798.0	52.0	25.7	16.9	11.3	9.4	8.1	7.5	6.9	6.9
57.5°	1066.3	764.8	39.5	21.3	13.8	10.7	8.8	7.5	6.9	6.3	6.3
60°	1103.3	740.3	30.7	16.9	11.3	8.8	7.5	6.3	5.6	5.0	4.4
62.5°	1105.2	691.4	22.6	12.5	8.8	7.5	6.3	5.0	3.1	2.5	1.9
65°	1112.7	640.0	16.3	9.4	6.3	5.6	4.4	2.5	1.3	0.0	0.0
67.5°	1086.4	579.2	13.2	6.9	4.4	3.1	1.9	0.6	0.0	0.0	0.0
70°	979.2	489.0	10.0	5.0	3.1	1.9	0.6	0.0	0.0	0.0	0.0
72.5°	700.9	317.8	6.9	3.8	1.3	0.6	0.0	0.0	0.0	0.0	0.0
75°	373.6	135.4	5.0	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	117.2	34.5	3.1	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	25.7	9.4	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.8	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.1	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)