

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: P676906

Luminaire Tested: **CCW-SA-1B-835-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676906
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-835-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

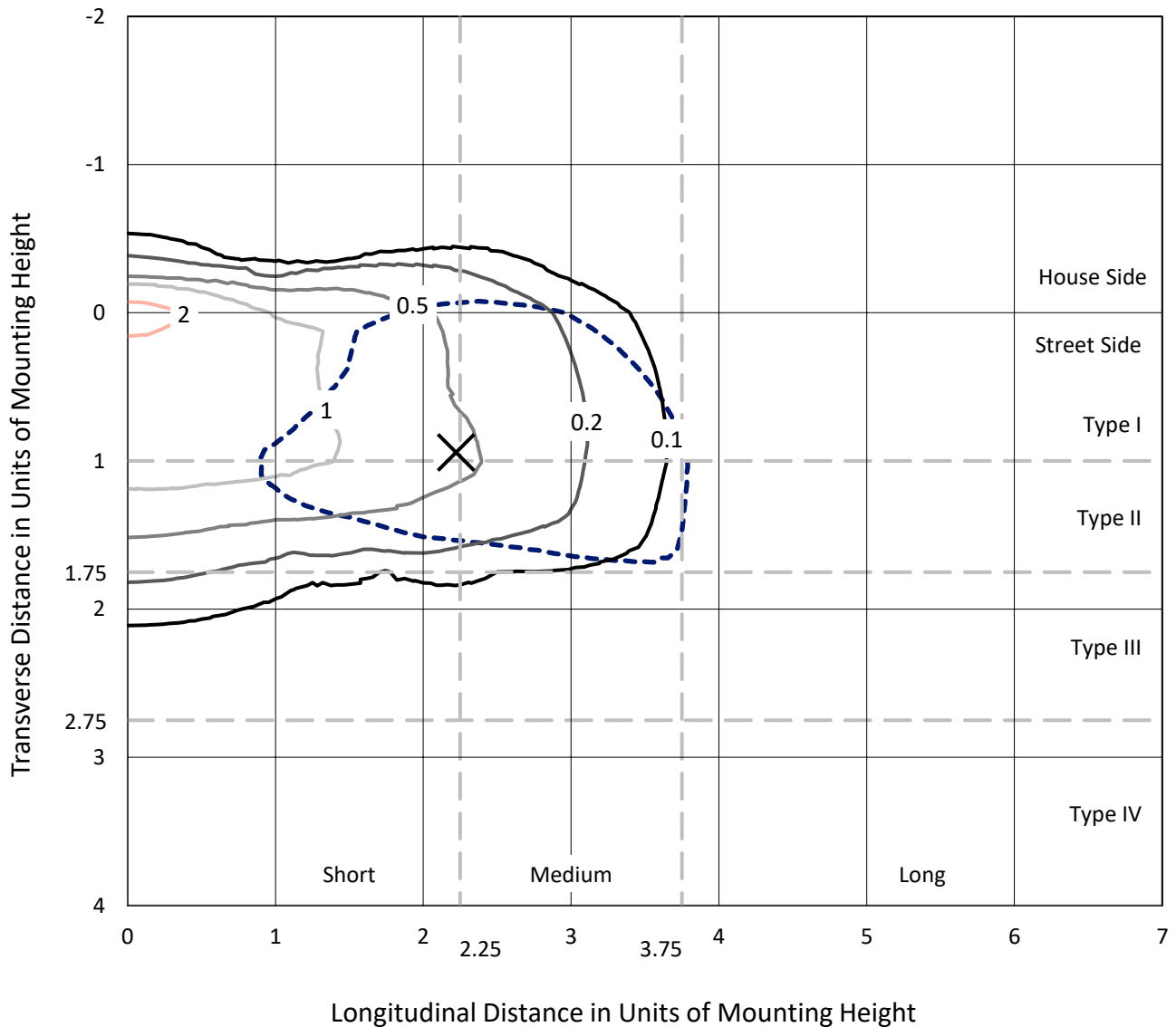
Lumens per Lamp: N/A
Luminaire Lumens: 2288.5 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

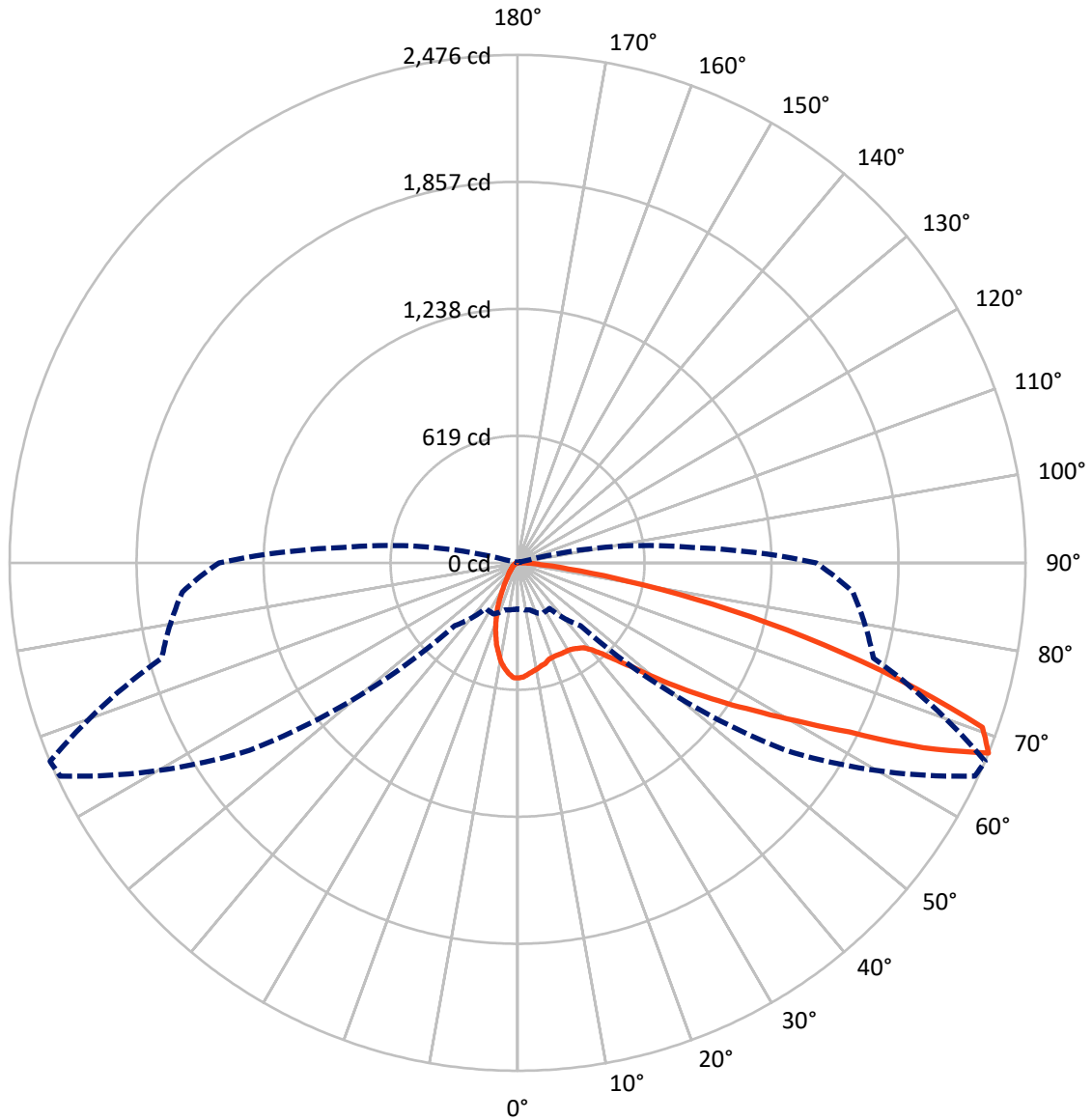
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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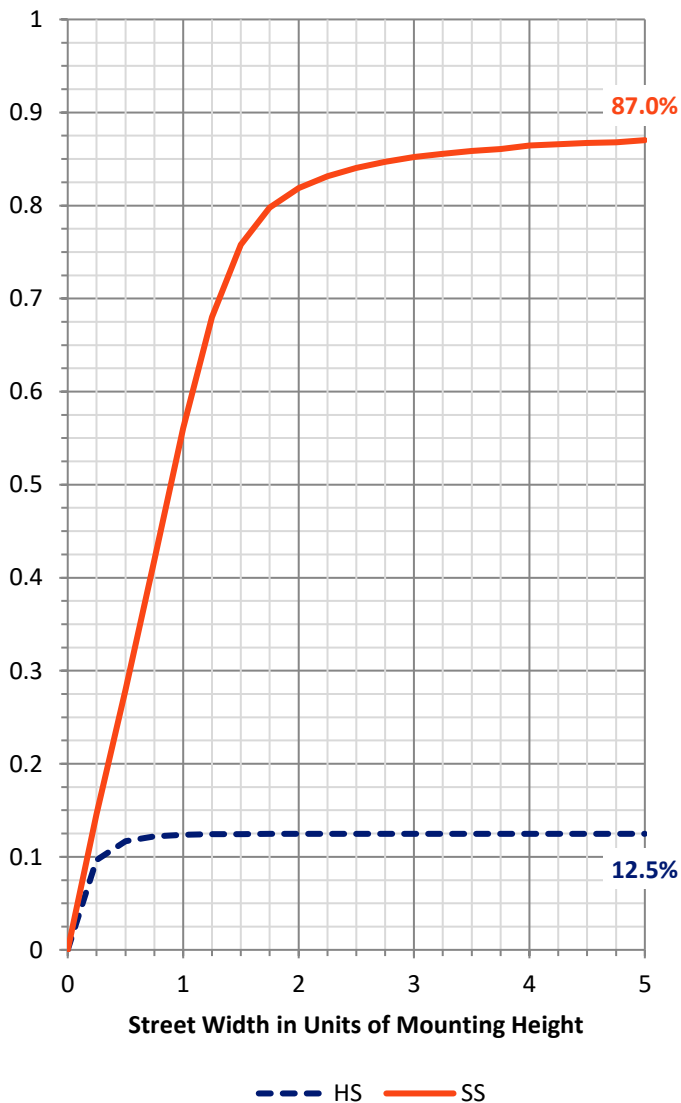
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	288.0	0.0	288.0
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2000.4	0.0	2000.4
	% Fixture	87.4	0.0	87.4
Total	Lumens	2288.5	0.0	2288.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	2.1
10°-20°	105.1	4.6
20°-30°	149.4	6.5
30°-40°	217.5	9.5
40°-50°	336.7	14.7
50°-60°	516.7	22.6
60°-70°	560.1	24.5
70°-80°	316.0	13.8
80°-90°	39.7	1.7
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°	2288.5	100.0
0°-180°	2288.5	100.0

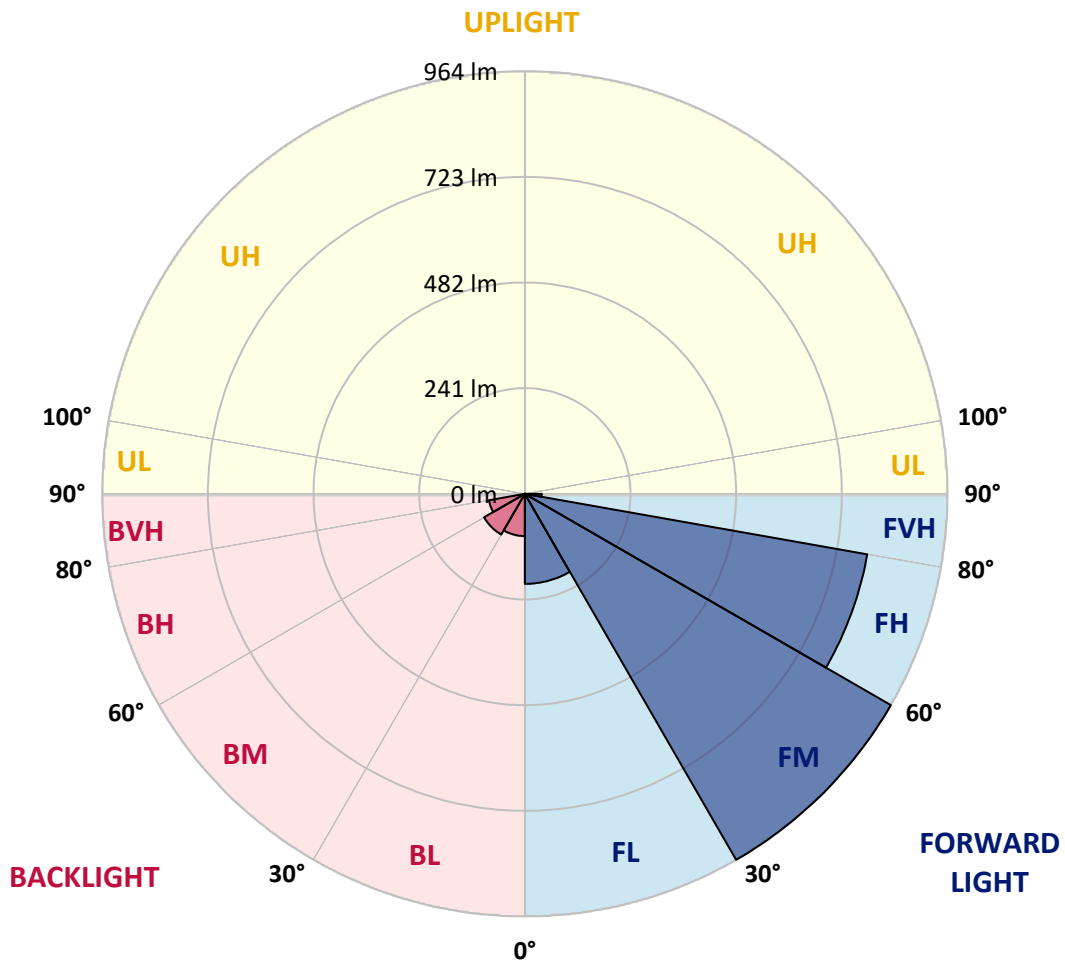


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.3	9.0			
FM (30°-60°)	963.6	42.1			
FH (60°-80°)	792.9	34.6			G1/1800
FVH (80°-90°)	38.6	1.7			G1/100
BL (0°-30°)	96.4	4.2	B0/110		
BM (30°-60°)	107.3	4.7	B0/220		
BH (60°-80°)	83.2	3.6	B0/110		G0/110
BVH (80°-90°)	1.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3
2.5°	537.1	539.8	543.7	549.2	553.0	550.8	552.5	561.9	556.9	561.3	559.1
5°	507.3	510.0	515.5	515.0	519.4	527.7	538.7	550.8	545.3	558.6	563.5
7.5°	476.4	475.3	475.3	486.9	496.2	507.8	513.9	533.7	534.3	545.9	558.0
10°	448.3	451.6	457.1	461.5	470.3	486.9	504.5	520.0	526.0	549.2	552.5
12.5°	431.2	432.8	439.5	443.3	454.9	470.9	489.6	509.5	514.4	538.2	554.1
15°	424.0	427.9	430.1	437.3	443.3	458.2	472.0	494.6	508.9	527.7	547.5
17.5°	429.5	427.9	429.0	431.2	438.4	451.6	466.5	489.1	494.0	525.5	555.2
20°	436.7	437.3	433.9	432.8	431.2	443.9	456.0	485.2	490.7	525.5	560.2
22.5°	456.0	449.9	456.0	447.2	438.4	443.9	455.4	485.8	489.6	524.9	565.2
25°	479.7	480.8	482.5	463.7	451.0	447.2	459.3	487.4	490.7	529.3	567.4
27.5°	513.3	518.3	510.0	500.7	475.3	456.0	458.8	486.3	492.4	527.1	572.9
30°	558.6	554.7	555.8	534.3	509.5	479.2	471.4	489.1	493.5	529.9	583.4
32.5°	597.7	593.3	601.0	593.3	554.1	512.2	486.3	494.6	499.6	536.5	592.2
35°	622.0	627.5	639.6	647.9	614.8	555.2	511.1	509.5	511.7	539.8	598.8
37.5°	659.5	669.4	679.3	700.3	671.6	608.2	550.3	528.8	524.9	555.8	602.1
40°	700.3	697.5	726.7	751.5	750.4	682.6	604.9	563.0	557.5	581.2	624.2
42.5°	734.4	731.7	764.2	805.0	809.4	754.3	667.2	611.5	606.5	620.3	651.2
45°	779.1	781.3	819.9	868.4	884.4	849.1	751.5	681.0	678.2	673.8	702.5
47.5°	818.8	830.9	864.0	921.4	979.3	947.3	850.8	782.4	763.1	753.2	781.9
50°	846.4	857.4	897.7	958.9	1064.7	1085.1	962.2	890.5	891.0	866.8	882.2
52.5°	846.4	845.8	878.4	958.9	1124.3	1229.0	1111.0	1026.7	1031.1	1005.7	1006.8
55°	764.8	763.1	802.8	888.3	1117.7	1367.4	1336.6	1199.3	1188.2	1139.2	1144.1
57.5°	615.9	619.8	650.1	752.6	1031.6	1432.0	1605.1	1393.4	1355.9	1254.4	1254.4
60°	449.4	446.1	468.7	540.4	826.5	1407.7	1825.6	1622.2	1563.2	1349.8	1335.5
62.5°	341.9	341.3	347.4	371.6	524.4	1227.4	1920.5	1913.3	1817.4	1443.5	1423.1
65°	276.2	277.3	285.6	302.7	320.4	837.0	1870.3	2260.7	2173.0	1583.0	1516.3
67.5°	225.5	228.3	238.2	275.1	271.3	433.4	1593.0	2459.7	2476.3	1795.9	1641.5
70°	173.7	178.1	189.7	242.1	261.4	288.4	1104.4	2360.5	2404.6	1928.2	1565.9
72.5°	118.0	117.4	142.3	196.3	264.1	264.1	614.8	1901.2	1943.1	1777.7	1360.3
75°	64.0	67.8	94.3	148.3	242.1	255.3	350.1	1391.2	1450.2	1382.3	1052.0
77.5°	34.7	35.3	52.4	97.0	201.3	243.7	233.8	946.2	969.3	833.7	576.2
80°	18.2	18.7	27.6	63.4	138.9	226.1	194.6	564.1	542.0	319.8	190.2
82.5°	8.3	8.8	13.8	39.7	88.8	178.1	168.2	272.4	251.4	89.3	57.9
85°	3.3	3.3	6.1	23.7	51.8	87.7	143.9	136.7	114.1	27.0	28.7
87.5°	1.1	1.1	1.7	9.4	21.0	52.4	76.6	72.2	49.6	9.9	15.4
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°	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3
2.5°	556.9	563.0	561.3	560.2	549.7	548.6	547.5	537.6	540.9	532.6	538.2
5°	560.2	563.5	554.7	538.2	523.3	506.7	494.0	485.2	469.2	463.2	462.1
7.5°	556.9	556.9	538.7	512.2	483.0	456.0	421.8	397.6	379.4	365.6	370.5
10°	552.5	545.9	527.1	480.3	427.3	386.5	337.4	301.6	274.6	265.8	260.3
12.5°	552.5	540.9	499.0	435.0	366.7	304.9	246.5	199.6	173.7	158.2	156.0
15°	547.5	530.4	478.6	392.6	307.7	223.9	157.1	116.9	94.8	88.8	86.6
17.5°	548.6	528.2	448.3	342.4	238.8	148.9	95.9	73.9	68.4	65.6	66.2
20°	550.8	528.2	421.3	293.3	172.0	92.6	66.2	62.3	59.5	58.4	59.0
22.5°	558.0	517.8	393.7	243.2	116.3	66.7	58.4	54.6	52.4	50.7	50.2
25°	559.1	516.1	367.2	193.5	80.0	56.2	51.3	46.9	44.1	41.9	41.4
27.5°	557.5	508.9	330.3	143.9	60.1	50.2	43.6	39.1	35.3	33.6	33.1
30°	563.5	495.7	298.9	103.7	50.7	43.6	36.9	32.0	28.7	26.5	26.5
32.5°	564.1	484.1	264.1	73.9	46.3	38.6	31.4	25.9	22.6	21.5	21.5
35°	564.6	473.6	225.5	56.2	41.4	33.1	25.9	21.5	19.3	17.6	17.6
37.5°	566.3	465.9	190.2	47.4	36.9	28.1	21.5	17.6	15.4	14.9	14.9
40°	569.6	455.4	153.3	41.9	32.0	23.7	18.2	14.9	12.7	12.1	11.6
42.5°	578.4	452.7	122.4	37.5	28.7	19.8	14.9	12.1	10.5	9.4	8.8
45°	614.8	459.9	94.8	34.7	24.3	16.5	12.7	9.9	7.7	7.2	6.6
47.5°	674.3	483.6	75.0	30.9	20.4	13.8	10.5	7.7	6.1	5.5	5.0
50°	764.8	537.6	61.2	27.6	17.1	11.6	8.3	6.1	4.4	3.9	3.9
52.5°	883.3	610.4	52.9	24.3	13.8	9.9	6.6	4.4	3.3	2.8	2.8
55°	1004.6	696.4	49.6	21.0	11.6	8.3	5.0	3.3	2.2	1.7	1.7
57.5°	1116.0	752.1	48.0	17.1	9.9	6.1	3.9	2.2	1.1	0.6	0.6
60°	1185.5	792.9	43.0	13.8	7.7	5.0	2.8	1.1	0.6	0.0	0.0
62.5°	1277.0	834.2	35.3	10.5	5.5	3.3	1.7	0.6	0.0	0.0	0.0
65°	1397.8	880.6	27.6	8.3	4.4	2.2	1.1	0.6	0.0	0.0	0.0
67.5°	1455.7	856.3	18.7	6.1	2.8	1.1	0.6	0.0	0.0	0.0	0.0
70°	1339.9	721.2	13.2	4.4	1.7	0.6	0.6	0.0	0.0	0.0	0.0
72.5°	1126.5	565.2	9.9	2.8	1.1	0.6	0.0	0.0	0.0	0.0	0.0
75°	830.4	353.4	7.7	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	440.6	131.8	5.5	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	130.1	38.6	3.9	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	43.0	11.6	2.2	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.1	4.4	1.1	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	1.7	1.1	1.1	0.6	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)