

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: P676995

Luminaire Tested: **CCW-SA-1B-740-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676995
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-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

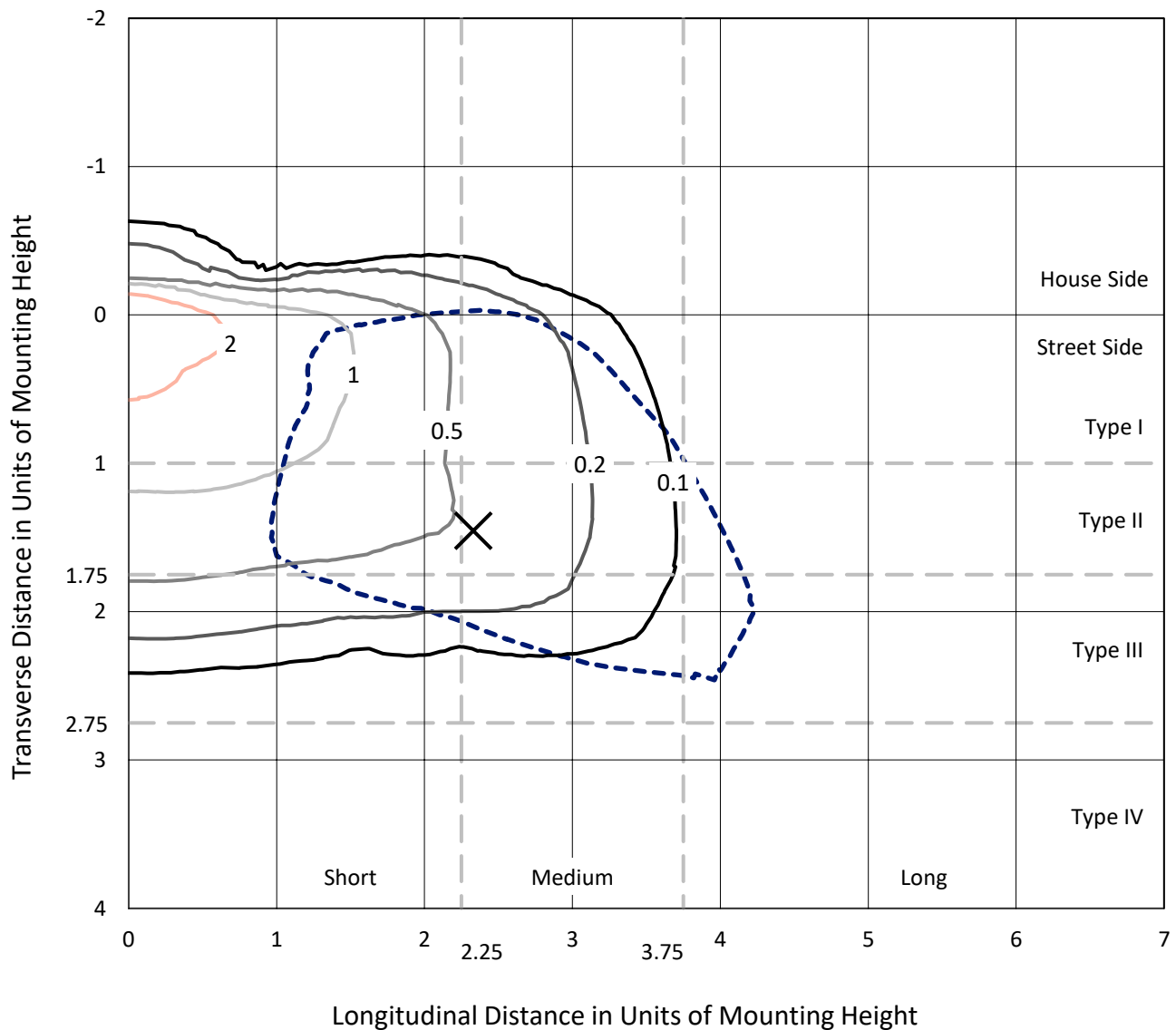
Lumens per Lamp: N/A
Luminaire Lumens: 2853.9 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

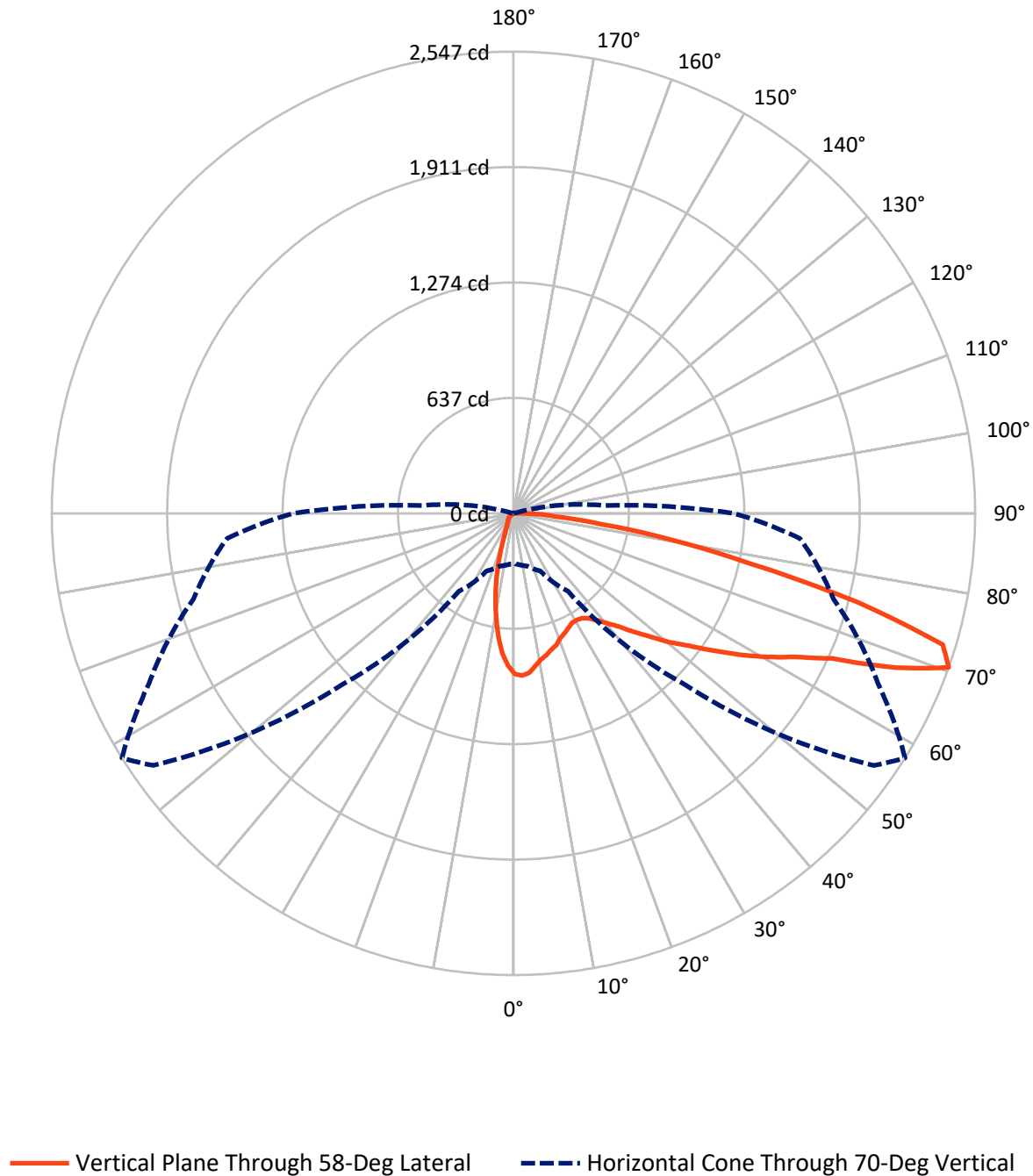
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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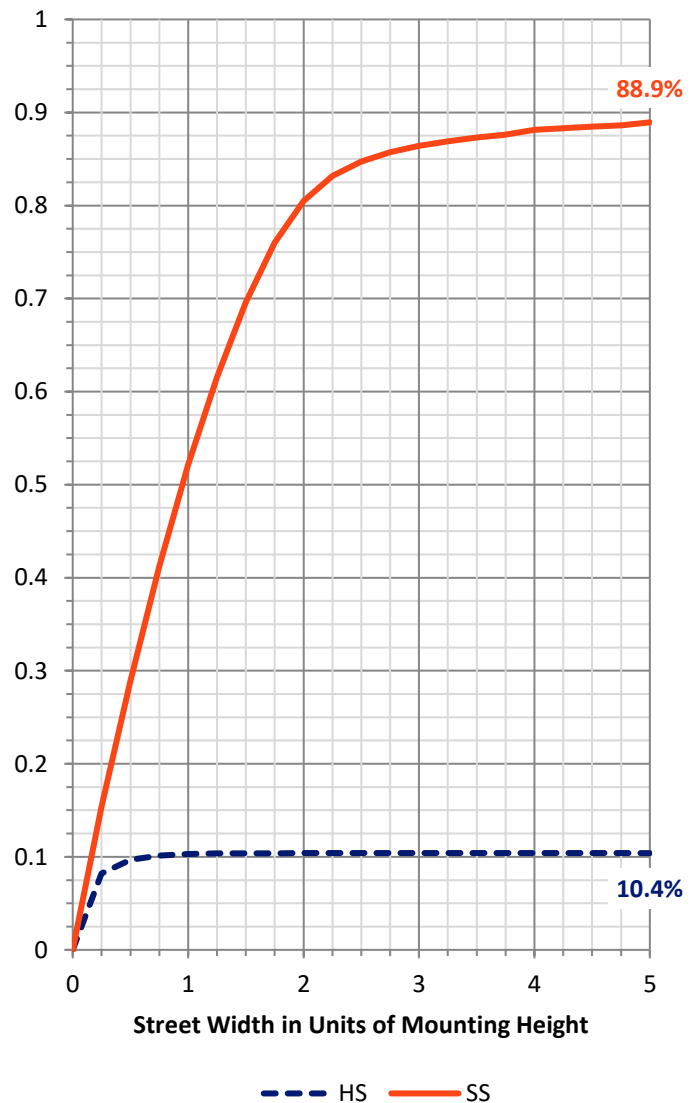
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	298.8	0.0	298.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2555.0	0.0	2555.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	2853.9	0.0	2853.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	2.5
10°-20°	150.5	5.3
20°-30°	201.5	7.1
30°-40°	272.4	9.5
40°-50°	390.9	13.7
50°-60°	576.1	20.2
60°-70°	702.7	24.6
70°-80°	429.1	15.0
80°-90°	58.3	2.0
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°	2853.9	100.0
0°-180°	2853.9	100.0

Coefficient of Utilization



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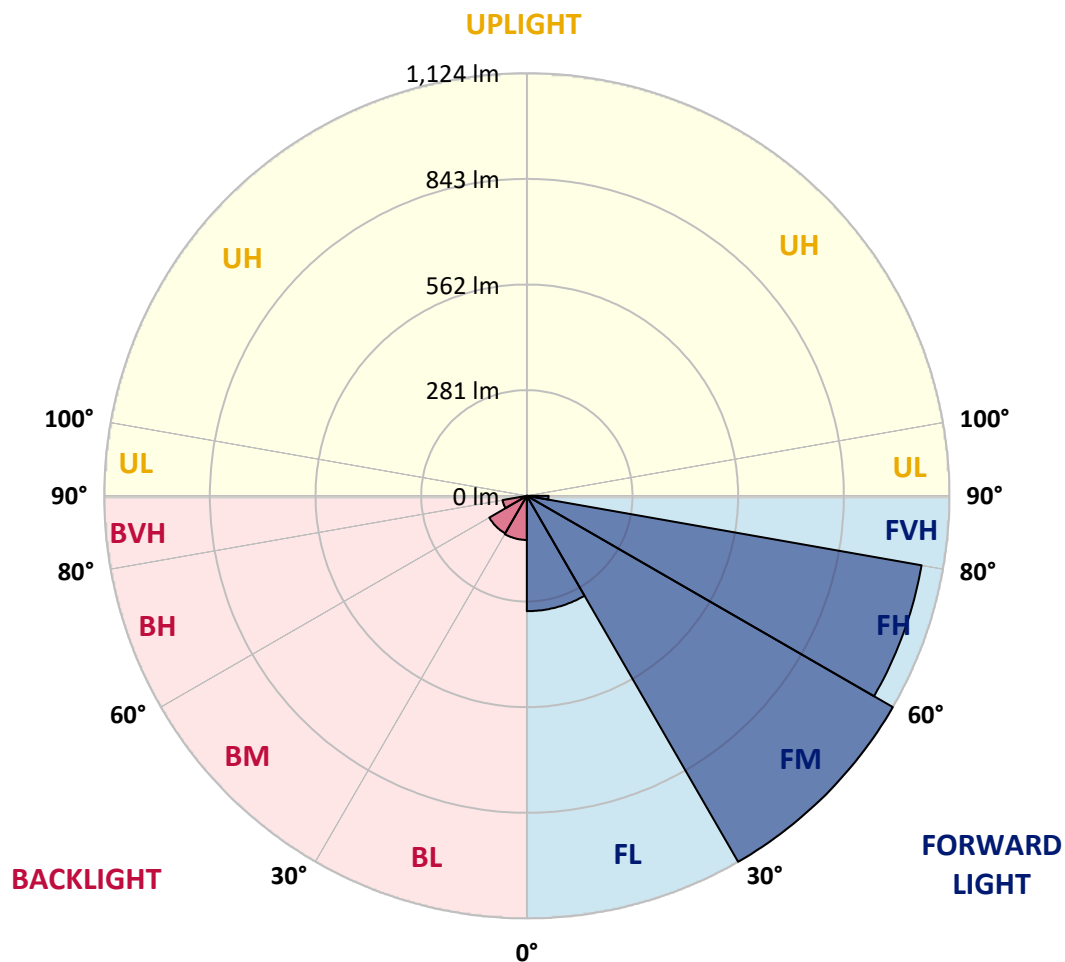
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.8	10.8			
FM	(30°-60°)	1124.1	39.4			
FH	(60°-80°)	1066.3	37.4			G1/1800
FVH	(80°-90°)	57.7	2.0			G1/100
BL	(0°-30°)	117.4	4.1	B1/500		
BM	(30°-60°)	115.3	4.0	B0/220		
BH	(60°-80°)	65.5	2.3	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	902.0	905.3	897.3	906.7	898.0	902.0	897.3	896.0	896.6	897.3	891.9
5°	859.8	867.9	871.2	865.9	878.6	876.6	884.6	885.3	881.9	878.6	879.2
7.5°	804.3	812.3	815.7	819.0	831.7	848.5	859.2	852.5	857.8	869.9	851.8
10°	764.1	762.1	761.5	768.2	792.2	806.3	824.4	822.4	835.7	847.1	832.4
12.5°	714.6	710.6	722.7	728.0	749.4	774.2	788.2	803.0	816.3	828.4	811.7
15°	677.8	681.2	685.9	697.2	712.6	745.4	766.2	780.2	804.3	810.3	803.6
17.5°	648.4	651.1	657.8	663.8	683.2	714.6	747.4	764.1	789.6	805.6	784.9
20°	649.1	641.0	641.0	647.0	657.8	695.2	730.0	735.4	770.2	797.6	783.6
22.5°	649.7	647.0	641.0	640.4	645.0	671.8	707.3	719.3	756.8	788.9	772.2
25°	659.1	649.1	649.7	640.4	642.4	655.7	683.9	701.9	744.7	793.6	766.2
27.5°	667.1	671.8	662.4	658.4	647.0	646.4	669.8	685.2	738.7	804.3	770.2
30°	685.2	688.5	688.5	685.9	675.2	659.8	665.1	684.5	726.7	802.3	763.5
32.5°	715.3	709.3	717.3	713.3	699.2	675.2	679.8	689.9	734.0	827.7	774.2
35°	725.3	730.0	740.7	732.0	727.3	713.3	703.9	711.3	744.7	853.1	790.2
37.5°	756.1	749.4	756.8	776.2	780.9	755.4	737.4	748.1	784.9	883.3	805.0
40°	758.8	764.1	777.5	815.7	820.4	809.6	794.9	797.6	825.0	922.1	841.8
42.5°	772.2	778.2	805.6	837.8	863.2	865.2	854.5	854.5	877.9	984.3	882.6
45°	798.3	788.2	823.7	877.9	914.7	922.1	936.1	932.8	951.5	1049.9	958.9
47.5°	808.3	811.7	850.5	916.0	958.2	992.3	1015.7	1016.4	1025.8	1133.5	1057.9
50°	841.1	840.4	887.3	948.2	1010.4	1072.6	1118.1	1118.1	1117.4	1215.1	1142.9
52.5°	884.6	883.3	919.4	991.7	1072.6	1150.9	1211.1	1213.1	1228.5	1315.5	1240.6
55°	955.5	949.5	984.3	1037.8	1134.8	1229.9	1334.2	1334.9	1322.9	1387.1	1310.8
57.5°	1015.1	1014.4	1043.2	1094.7	1204.4	1331.6	1452.7	1470.7	1432.6	1460.7	1367.0
60°	999.7	1008.4	1067.9	1144.2	1278.0	1458.7	1580.5	1608.6	1547.7	1510.9	1409.2
62.5°	904.0	924.1	989.0	1110.8	1340.3	1643.4	1756.5	1743.8	1607.9	1553.7	1460.7
65°	650.4	670.5	750.8	933.4	1268.0	1773.9	1988.0	1930.4	1715.0	1617.3	1529.6
67.5°	382.7	390.8	441.0	595.5	948.2	1702.9	2269.0	2273.7	1925.8	1715.0	1648.7
70°	276.4	282.4	301.8	351.3	525.3	1334.9	2425.6	2547.4	2218.2	1827.4	1585.8
72.5°	212.1	212.1	244.9	292.4	334.6	799.6	2232.2	2476.4	2281.7	1719.7	1278.0
75°	152.6	156.6	192.0	251.6	308.5	401.5	1644.7	1965.2	1933.8	1393.8	892.6
77.5°	87.7	89.7	135.2	210.8	289.7	275.7	1016.4	1332.2	1369.7	872.5	386.8
80°	44.8	46.2	75.6	166.6	262.3	240.2	606.2	877.2	744.1	253.6	89.7
82.5°	22.1	22.1	34.1	106.4	222.8	212.8	356.6	484.4	263.6	58.2	37.5
85°	7.4	8.0	15.4	60.2	161.3	128.5	218.1	230.2	88.3	22.1	20.7
87.5°	2.0	2.7	4.0	22.1	70.3	84.3	129.8	147.2	36.1	8.7	10.0
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°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	871.9	867.2	861.8	848.5	837.8	823.7	814.3	807.0	792.9	795.6	789.6
5°	863.2	854.5	823.7	794.3	767.5	726.7	698.6	680.5	665.8	651.1	661.8
7.5°	847.8	827.0	778.9	724.0	667.1	613.6	560.1	527.9	504.5	483.1	482.4
10°	821.7	788.2	712.6	641.0	553.4	483.1	414.9	361.3	326.5	301.1	300.4
12.5°	792.2	757.5	662.4	546.0	445.0	345.9	264.3	207.4	174.6	154.6	151.9
15°	773.5	722.7	599.5	461.7	336.6	225.5	146.5	111.1	98.4	93.7	93.7
17.5°	749.4	691.2	537.3	374.0	233.5	130.5	95.0	85.6	85.0	83.6	82.3
20°	739.4	667.1	481.8	298.4	147.9	92.3	81.6	79.6	79.6	78.3	76.9
22.5°	712.6	632.3	422.9	218.8	98.4	81.0	76.9	74.3	72.9	71.6	72.9
25°	700.6	607.6	367.4	151.2	80.3	72.3	70.3	67.6	65.6	64.9	64.9
27.5°	692.5	582.8	313.2	105.1	70.9	66.2	62.2	60.2	57.5	54.9	54.9
30°	686.5	563.4	261.0	77.6	63.6	58.9	55.5	50.9	47.5	44.8	44.8
32.5°	678.5	540.7	208.8	66.2	57.5	52.9	46.8	42.8	38.1	36.1	36.1
35°	681.2	525.3	163.9	58.9	51.5	45.5	40.1	34.8	30.1	28.1	27.4
37.5°	686.5	513.9	124.5	52.9	46.2	39.5	33.5	27.4	24.8	22.1	22.1
40°	709.3	510.5	91.7	48.8	42.2	34.8	28.1	22.8	20.1	18.1	17.4
42.5°	747.4	515.2	70.9	44.2	38.1	29.4	23.4	18.7	16.1	14.1	13.4
45°	796.3	533.3	58.2	41.5	33.5	24.8	18.7	15.4	12.0	10.7	10.7
47.5°	867.2	561.4	50.9	38.1	29.4	20.7	16.1	12.0	9.4	8.0	8.0
50°	947.5	593.5	44.8	34.1	25.4	17.4	12.7	9.4	6.7	6.0	6.0
52.5°	1027.8	634.3	41.5	31.4	22.1	14.1	10.0	6.7	4.7	4.0	4.0
55°	1112.1	670.5	37.5	29.4	18.1	11.4	7.4	4.0	2.7	2.0	2.0
57.5°	1171.0	684.5	32.8	25.4	14.1	8.7	5.4	2.7	1.3	0.7	0.7
60°	1213.1	686.5	28.1	20.7	10.7	6.7	3.3	1.3	0.7	0.0	0.0
62.5°	1248.6	690.5	24.1	16.1	8.0	4.7	2.0	0.7	0.0	0.0	0.0
65°	1318.9	687.2	19.4	12.7	5.4	2.7	1.3	0.0	0.0	0.0	0.0
67.5°	1374.4	653.7	15.4	8.7	3.3	1.3	0.7	0.0	0.0	0.0	0.0
70°	1215.8	498.5	12.0	6.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0
72.5°	954.8	332.6	8.0	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
75°	626.3	165.3	6.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	243.6	43.5	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	58.9	14.7	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	25.4	5.4	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.4	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.0	1.3	0.7	0.7	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)