

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: P676853

Luminaire Tested: **CCW-SA-1D-740-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676853
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-740-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

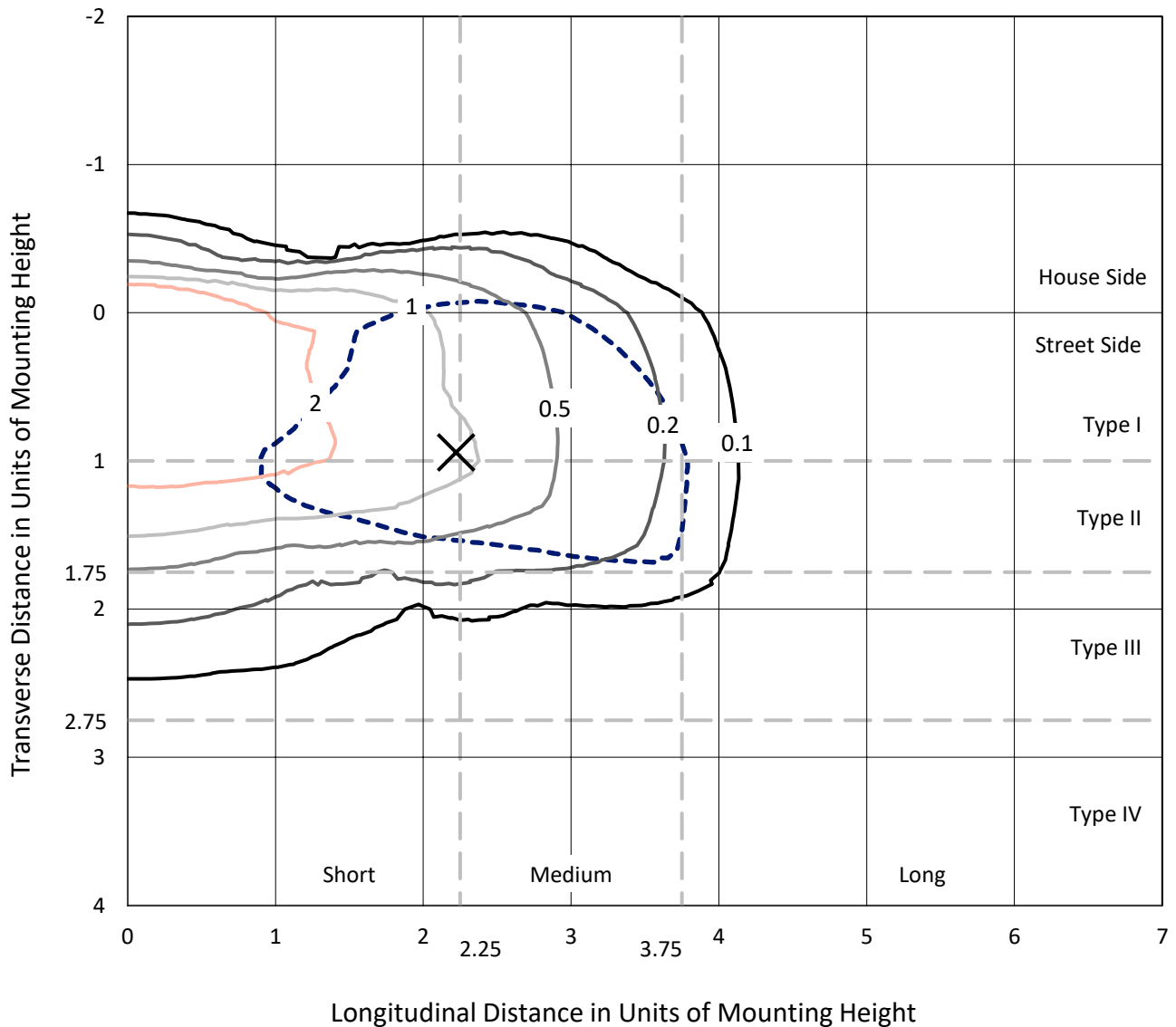
Lumens per Lamp: N/A
Luminaire Lumens: 4484.7 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

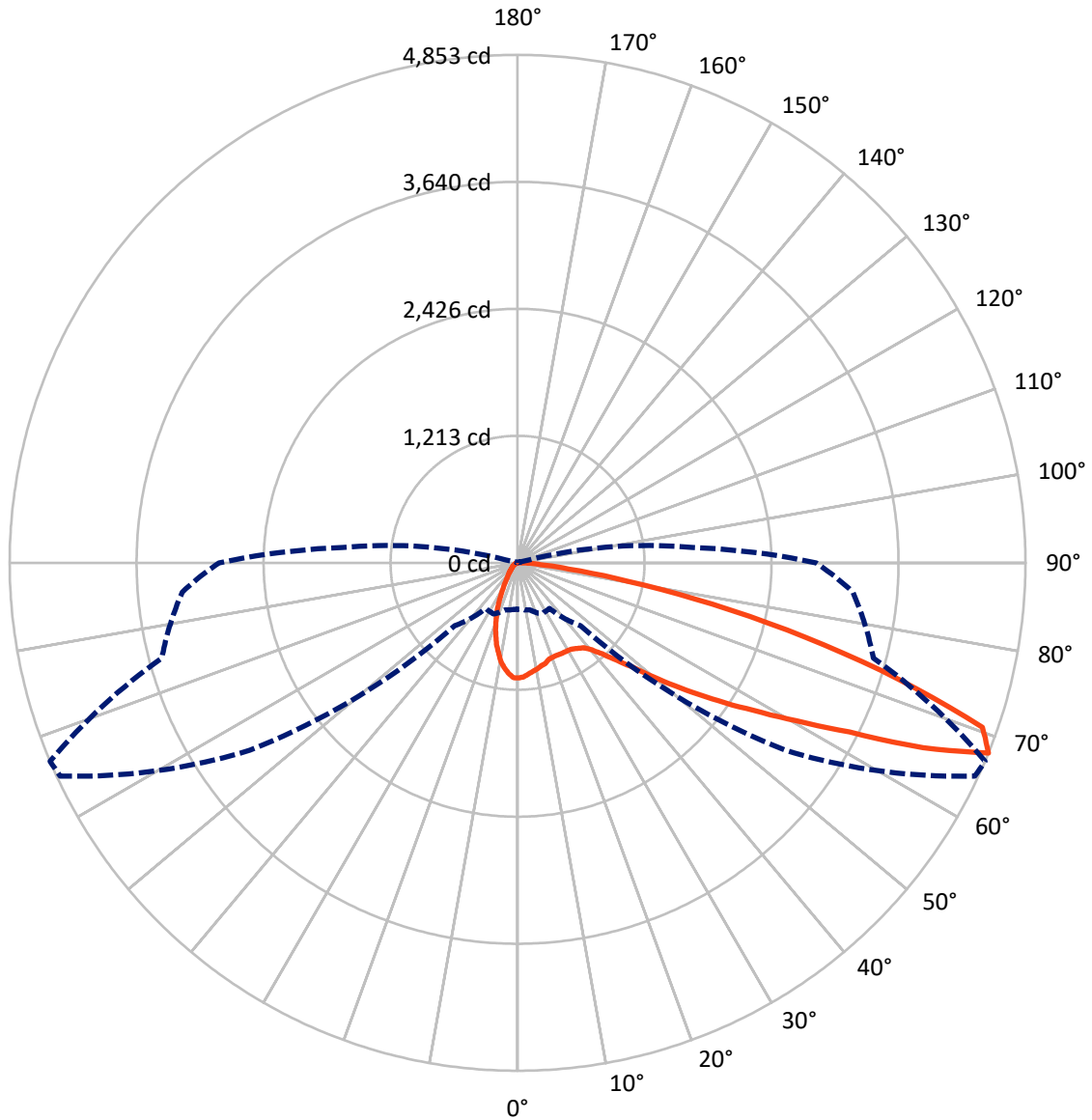
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 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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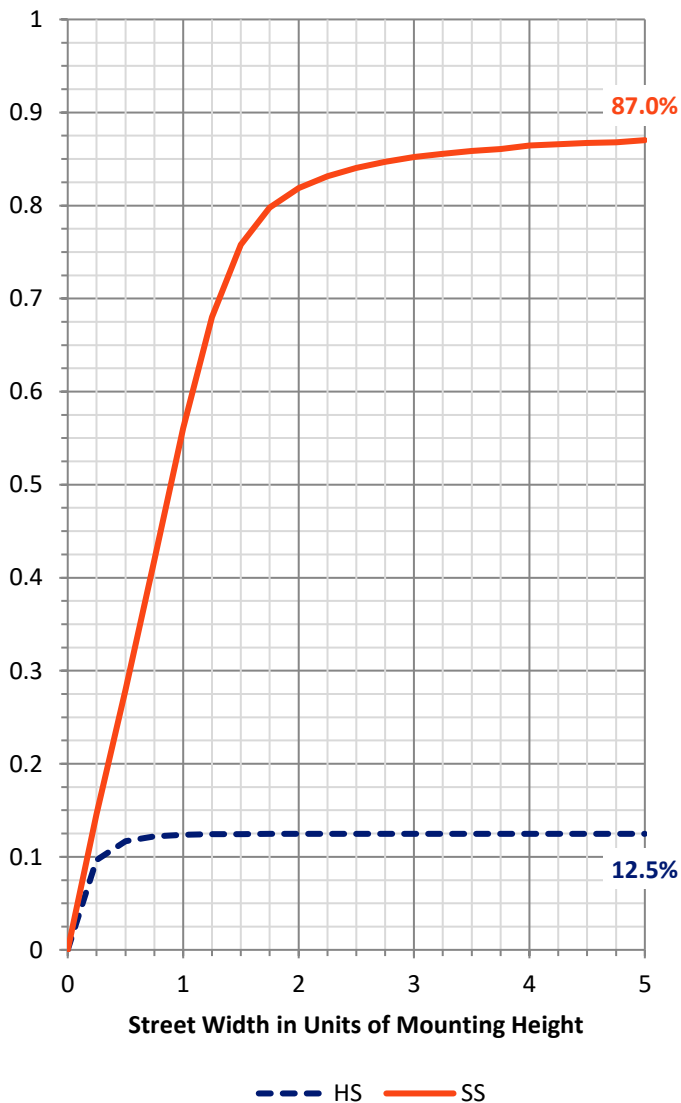
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	564.4	0.0	564.4
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3920.3	0.0	3920.3
	% Fixture	87.4	0.0	87.4
Total	Lumens	4484.7	0.0	4484.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	2.1
10°-20°	205.9	4.6
20°-30°	292.8	6.5
30°-40°	426.3	9.5
40°-50°	659.8	14.7
50°-60°	1012.6	22.6
60°-70°	1097.6	24.5
70°-80°	619.3	13.8
80°-90°	77.8	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°	4484.7	100.0
0°-180°	4484.7	100.0

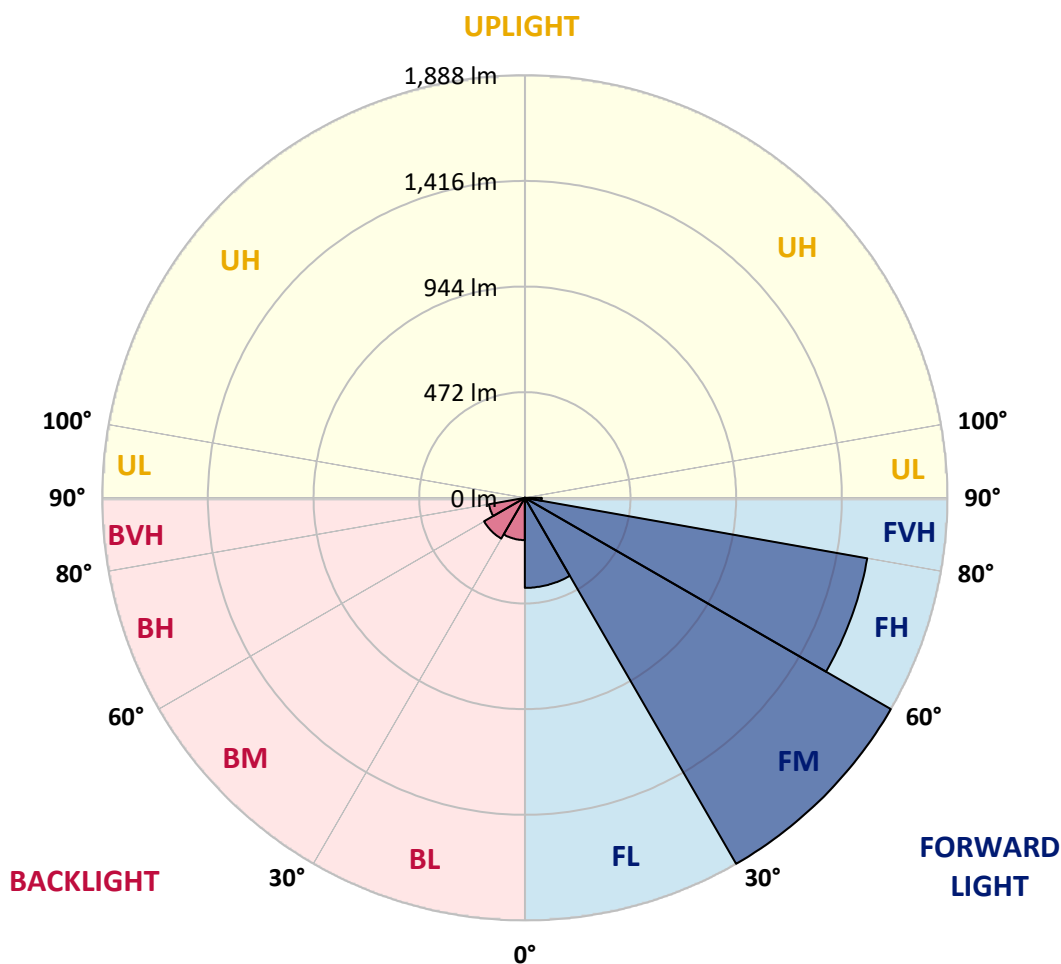


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.4	9.0			
FM (30°-60°)	1888.4	42.1			
FH (60°-80°)	1553.9	34.6			G1/1800
FVH (80°-90°)	75.6	1.7			G1/100
BL (0°-30°)	188.9	4.2	B1/500		
BM (30°-60°)	210.2	4.7	B0/220		
BH (60°-80°)	163.0	3.6	B1/500		G1/500
BVH (80°-90°)	2.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
2.5°	1052.5	1057.9	1065.4	1076.2	1083.8	1079.5	1082.7	1101.1	1091.4	1100.0	1095.7
5°	994.1	999.5	1010.3	1009.2	1017.9	1034.1	1055.7	1079.5	1068.7	1094.6	1104.3
7.5°	933.6	931.4	931.4	954.1	972.5	995.2	1007.1	1046.0	1047.1	1069.8	1093.5
10°	878.5	885.0	895.8	904.4	921.7	954.1	988.7	1019.0	1030.9	1076.2	1082.7
12.5°	845.0	848.2	861.2	868.8	891.5	922.8	959.5	998.4	1008.2	1054.6	1086.0
15°	831.0	838.5	842.8	856.9	868.8	897.9	925.0	969.3	997.4	1034.1	1073.0
17.5°	841.8	838.5	840.7	845.0	859.0	885.0	914.2	958.5	968.2	1029.8	1088.1
20°	855.8	856.9	850.4	848.2	845.0	869.9	893.6	950.9	961.7	1029.8	1097.9
22.5°	893.6	881.7	893.6	876.3	859.0	869.9	892.5	952.0	959.5	1028.7	1107.6
25°	940.1	942.3	945.5	908.8	883.9	876.3	900.1	955.2	961.7	1037.3	1111.9
27.5°	1006.0	1015.7	999.5	981.2	931.4	893.6	899.0	953.1	964.9	1033.0	1122.7
30°	1094.6	1087.0	1089.2	1047.1	998.4	939.0	923.9	958.5	967.1	1038.4	1143.2
32.5°	1171.3	1162.7	1177.8	1162.7	1086.0	1003.8	953.1	969.3	979.0	1051.4	1160.5
35°	1218.9	1229.7	1253.5	1269.7	1204.8	1088.1	1001.7	998.4	1002.8	1057.9	1173.5
37.5°	1292.4	1311.8	1331.3	1372.3	1316.1	1191.9	1078.4	1036.3	1028.7	1089.2	1180.0
40°	1372.3	1366.9	1424.2	1472.8	1470.6	1337.7	1185.4	1103.3	1092.4	1138.9	1223.2
42.5°	1439.3	1433.9	1497.7	1577.6	1586.3	1478.2	1307.5	1198.3	1188.6	1215.6	1276.1
45°	1526.8	1531.2	1606.8	1701.9	1733.2	1664.1	1472.8	1334.5	1329.1	1320.4	1376.6
47.5°	1604.6	1628.4	1693.2	1805.6	1919.1	1856.4	1667.3	1533.3	1495.5	1476.0	1532.2
50°	1658.7	1680.3	1759.2	1879.1	2086.6	2126.5	1885.6	1745.1	1746.2	1698.6	1728.9
52.5°	1658.7	1657.6	1721.3	1879.1	2203.3	2408.6	2177.3	2012.0	2020.7	1970.9	1973.1
55°	1498.7	1495.5	1573.3	1740.8	2190.3	2679.8	2619.3	2350.2	2328.6	2232.4	2242.2
57.5°	1207.0	1214.6	1274.0	1475.0	2021.7	2806.2	3145.5	2730.6	2657.1	2458.3	2458.3
60°	880.7	874.2	918.5	1059.0	1619.8	2758.7	3577.7	3179.0	3063.4	2645.2	2617.1
62.5°	669.9	668.9	680.8	728.3	1027.6	2405.3	3763.6	3749.6	3561.5	2828.9	2788.9
65°	541.4	543.5	559.7	593.2	627.8	1640.3	3665.3	4430.3	4258.5	3102.3	2971.5
67.5°	442.0	447.4	466.8	539.2	531.6	849.3	3121.7	4820.4	4852.8	3519.4	3216.8
70°	340.4	349.0	371.7	474.4	512.2	565.1	2164.4	4625.9	4712.3	3778.7	3068.8
72.5°	231.2	230.2	278.8	384.7	517.6	517.6	1204.8	3725.8	3807.9	3483.7	2665.7
75°	125.3	132.9	184.8	290.7	474.4	500.3	686.2	2726.3	2841.9	2709.0	2061.7
77.5°	68.1	69.2	102.7	190.2	394.4	477.6	458.2	1854.2	1899.6	1633.8	1129.2
80°	35.7	36.7	54.0	124.3	272.3	443.0	381.4	1105.4	1062.2	626.7	372.8
82.5°	16.2	17.3	27.0	77.8	174.0	349.0	329.6	533.8	492.7	175.1	113.5
85°	6.5	6.5	11.9	46.5	101.6	171.8	282.0	268.0	223.7	52.9	56.2
87.5°	2.2	2.2	3.2	18.4	41.1	102.7	150.2	141.6	97.3	19.5	30.3
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°	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
2.5°	1091.4	1103.3	1100.0	1097.9	1077.3	1075.2	1073.0	1053.5	1060.0	1043.8	1054.6
5°	1097.9	1104.3	1087.0	1054.6	1025.5	993.0	968.2	950.9	919.6	907.7	905.5
7.5°	1091.4	1091.4	1055.7	1003.8	946.6	893.6	826.6	779.1	743.4	716.4	726.1
10°	1082.7	1069.8	1033.0	941.2	837.4	757.5	661.3	591.1	538.1	520.8	510.0
12.5°	1082.7	1060.0	977.9	852.6	718.6	597.6	483.0	391.2	340.4	310.1	305.8
15°	1073.0	1039.5	937.9	769.4	603.0	438.7	308.0	229.1	185.9	174.0	169.6
17.5°	1075.2	1035.2	878.5	671.0	467.9	291.8	188.0	144.8	134.0	128.6	129.7
20°	1079.5	1035.2	825.5	574.9	337.1	181.5	129.7	122.1	116.7	114.5	115.6
22.5°	1093.5	1014.6	771.5	476.5	228.0	130.7	114.5	107.0	102.7	99.4	98.3
25°	1095.7	1011.4	719.7	379.3	156.7	110.2	100.5	91.8	86.4	82.1	81.0
27.5°	1092.4	997.4	647.3	282.0	117.8	98.3	85.4	76.7	69.2	65.9	64.8
30°	1104.3	971.4	585.7	203.1	99.4	85.4	72.4	62.7	56.2	51.9	51.9
32.5°	1105.4	948.7	517.6	144.8	90.8	75.6	61.6	50.8	44.3	42.1	42.1
35°	1106.5	928.2	442.0	110.2	81.0	64.8	50.8	42.1	37.8	34.6	34.6
37.5°	1109.7	913.1	372.8	92.9	72.4	55.1	42.1	34.6	30.3	29.2	29.2
40°	1116.2	892.5	300.4	82.1	62.7	46.5	35.7	29.2	24.9	23.8	22.7
42.5°	1133.5	887.1	239.9	73.5	56.2	38.9	29.2	23.8	20.5	18.4	17.3
45°	1204.8	901.2	185.9	68.1	47.5	32.4	24.9	19.5	15.1	14.0	13.0
47.5°	1321.5	947.7	147.0	60.5	40.0	27.0	20.5	15.1	11.9	10.8	9.7
50°	1498.7	1053.5	119.9	54.0	33.5	22.7	16.2	11.9	8.6	7.6	7.6
52.5°	1731.1	1196.2	103.7	47.5	27.0	19.5	13.0	8.6	6.5	5.4	5.4
55°	1968.8	1364.8	97.3	41.1	22.7	16.2	9.7	6.5	4.3	3.2	3.2
57.5°	2187.1	1473.9	94.0	33.5	19.5	11.9	7.6	4.3	2.2	1.1	1.1
60°	2323.2	1553.8	84.3	27.0	15.1	9.7	5.4	2.2	1.1	0.0	0.0
62.5°	2502.6	1634.9	69.2	20.5	10.8	6.5	3.2	1.1	0.0	0.0	0.0
65°	2739.2	1725.7	54.0	16.2	8.6	4.3	2.2	1.1	0.0	0.0	0.0
67.5°	2852.7	1678.1	36.7	11.9	5.4	2.2	1.1	0.0	0.0	0.0	0.0
70°	2625.8	1413.4	25.9	8.6	3.2	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	2207.6	1107.6	19.5	5.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
75°	1627.3	692.6	15.1	4.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	863.4	258.3	10.8	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	255.0	75.6	7.6	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	84.3	22.7	4.3	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	43.2	8.6	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.9	3.2	2.2	2.2	1.1	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)