

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: P674698

Luminaire Tested: **CCP-SA-2B-735-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674698
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-735-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

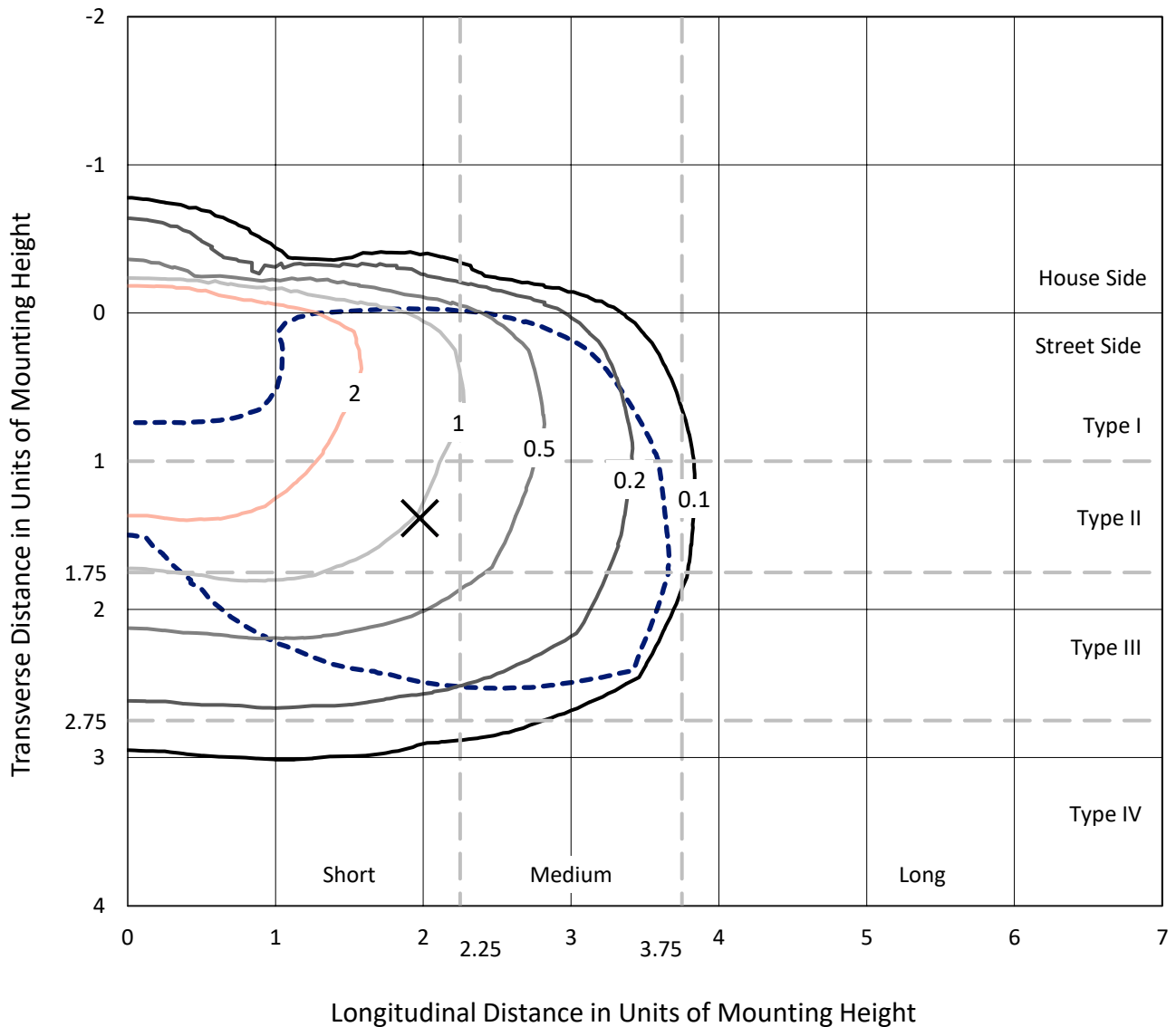
Lumens per Lamp: N/A
Luminaire Lumens: 5402.2 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

REPORT NUMBER: P674698
 CATALOG NUMBER: CCP-SA-2B-735-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

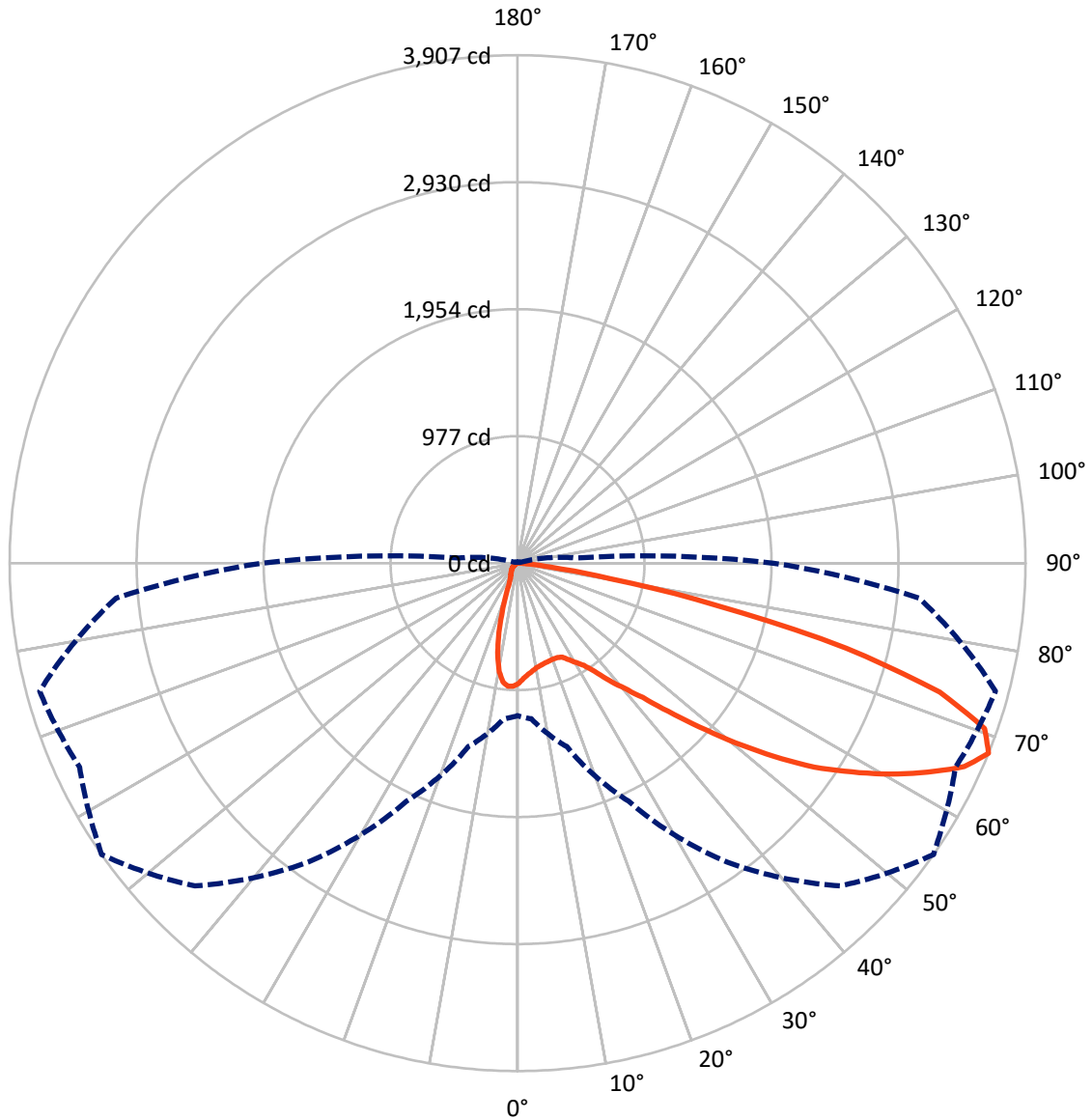
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

REPORT NUMBER: P674698
CATALOG NUMBER: CCP-SA-2B-735-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.3	0.0	485.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4916.9	0.0	4916.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	5402.2	0.0	5402.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	1.5
10°-20°	185.0	3.4
20°-30°	296.8	5.5
30°-40°	514.8	9.5
40°-50°	858.3	15.9
50°-60°	1255.2	23.2
60°-70°	1463.5	27.1
70°-80°	710.3	13.1
80°-90°	37.1	0.7
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°	5402.2	100.0
0°-180°	5402.2	100.0



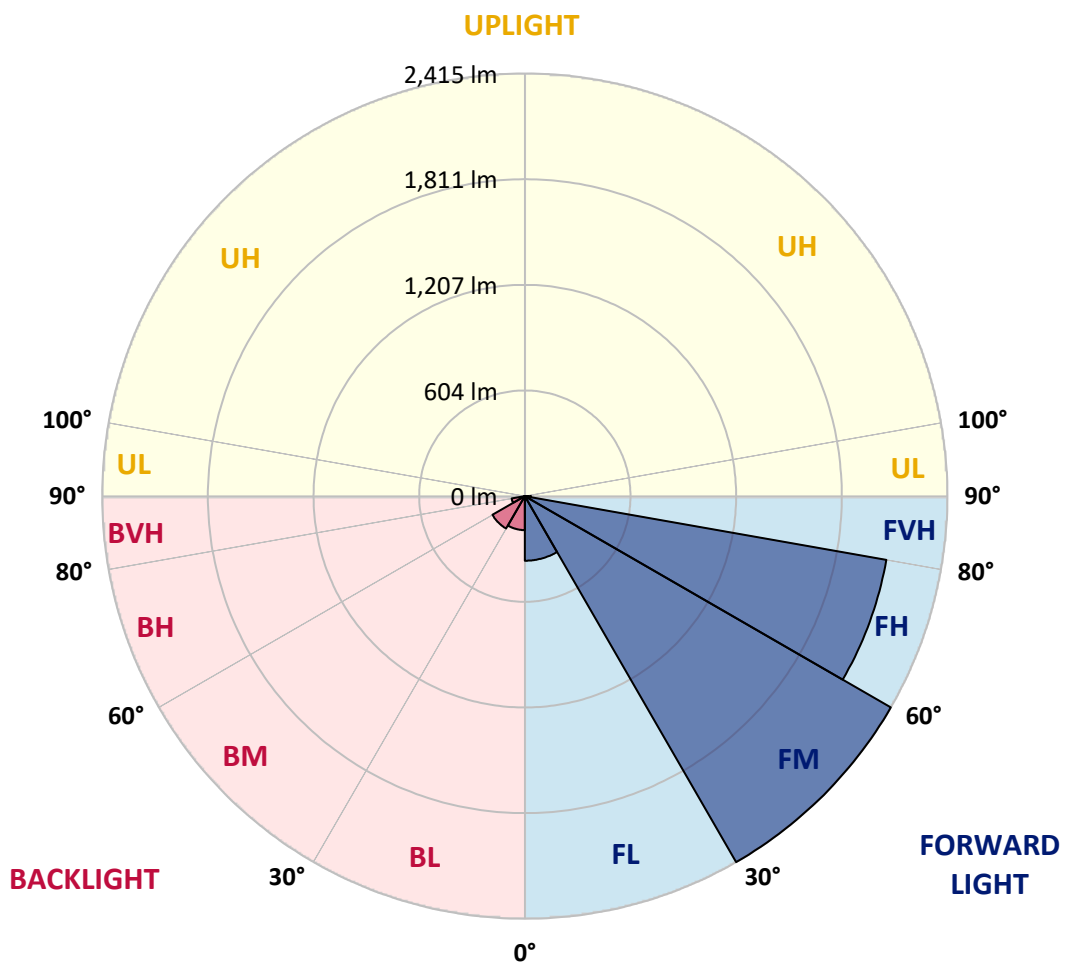
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.0	6.8			
FM (30°-60°)	2414.6	44.7			
FH (60°-80°)	2097.2	38.8			G2/5000
FVH (80°-90°)	36.1	0.7			G1/100
BL (0°-30°)	194.0	3.6	B1/500		
BM (30°-60°)	213.7	4.0	B0/220		
BH (60°-80°)	76.6	1.4	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: B1-U0-G2

Type III Short





REPORT NUMBER: P674698

CATALOG NUMBER: CCP-SA-2B-735-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	925.8	925.8	925.8	925.8	925.8	925.8	925.8	925.8	925.8	925.8	925.8
2.5°	854.6	860.1	867.1	869.5	878.0	889.9	886.5	884.0	897.4	915.8	921.8
5°	801.4	801.8	812.8	820.8	835.2	846.6	859.1	858.1	882.5	913.8	933.7
7.5°	749.1	750.1	761.5	774.0	794.9	817.3	836.2	835.2	874.5	916.3	954.2
10°	680.4	685.4	699.3	721.2	754.1	789.4	815.8	818.3	865.6	925.8	982.0
12.5°	625.2	627.6	643.1	671.4	710.3	756.6	805.8	804.3	867.6	943.2	1018.4
15°	601.8	600.3	609.7	630.6	674.9	733.2	795.9	799.4	874.5	963.1	1056.2
17.5°	607.2	605.7	610.7	618.2	649.5	713.8	790.4	796.4	885.5	984.0	1091.5
20°	668.0	657.5	648.5	640.6	645.1	697.8	786.9	793.4	891.9	999.9	1128.9
22.5°	784.9	772.0	748.1	703.8	674.4	698.8	787.9	796.4	906.4	1025.8	1174.2
25°	975.6	963.1	911.8	821.3	743.6	734.7	801.4	810.3	939.7	1065.2	1222.4
27.5°	1227.9	1200.0	1137.8	1007.9	858.1	791.9	841.7	851.6	987.0	1095.5	1255.3
30°	1437.5	1431.0	1371.3	1212.0	1015.9	876.0	887.0	892.4	1008.4	1113.9	1288.1
32.5°	1655.0	1641.5	1586.8	1432.0	1199.0	996.0	937.7	940.2	1036.3	1141.3	1335.9
35°	1844.1	1831.7	1785.9	1635.6	1413.1	1157.2	1021.8	1016.4	1094.0	1201.5	1400.6
37.5°	2019.3	2017.8	1977.5	1824.2	1605.2	1324.5	1145.8	1141.3	1184.1	1267.7	1488.2
40°	2190.5	2186.5	2152.2	2012.3	1794.3	1491.2	1263.7	1252.3	1260.8	1360.3	1603.7
42.5°	2295.5	2304.0	2316.0	2227.4	2018.8	1686.8	1413.1	1406.1	1404.6	1505.1	1755.5
45°	2352.3	2367.2	2437.4	2429.4	2256.7	1930.2	1625.6	1607.7	1601.7	1704.2	1929.2
47.5°	2407.5	2414.0	2529.0	2577.3	2484.7	2184.1	1882.4	1857.5	1833.2	1947.1	2136.8
50°	2411.0	2421.5	2563.8	2681.3	2675.8	2433.9	2170.6	2148.7	2120.8	2242.8	2339.3
52.5°	2362.2	2383.1	2559.3	2747.0	2794.3	2654.4	2469.8	2451.8	2428.9	2520.0	2510.1
55°	2025.3	2060.6	2471.7	2753.0	2877.4	2843.6	2770.4	2745.5	2723.1	2787.8	2677.3
57.5°	1865.0	1884.9	2206.0	2748.5	2983.4	3018.8	3031.2	3019.8	2988.4	3069.0	2852.0
60°	1768.9	1797.8	2079.0	2698.7	3097.9	3216.9	3295.0	3272.1	3233.8	3344.8	3039.2
62.5°	1654.0	1674.9	1952.6	2555.4	3166.1	3418.4	3542.4	3521.5	3442.3	3599.1	3190.5
65°	1441.9	1473.3	1751.5	2329.9	3074.5	3566.3	3775.3	3768.3	3631.0	3791.2	3231.8
67.5°	1173.7	1202.0	1461.3	2020.8	2806.7	3511.0	3907.2	3885.3	3716.6	3805.7	3100.9
70°	881.0	896.4	1092.0	1544.0	2299.5	3215.9	3811.6	3807.2	3586.7	3591.6	2699.2
72.5°	472.8	515.7	726.2	1033.3	1617.1	2604.6	3397.0	3379.1	3199.9	2941.6	1941.2
75°	165.2	177.7	386.7	580.4	878.5	1735.1	2612.1	2570.3	2393.1	1913.3	1057.7
77.5°	101.5	111.5	171.7	296.6	341.9	753.1	1569.4	1515.1	1400.6	827.2	361.4
80°	70.2	79.1	115.0	155.3	116.5	243.9	722.2	701.8	540.0	197.1	83.1
82.5°	39.3	47.3	87.1	76.2	46.8	63.2	250.4	231.9	143.8	53.3	27.9
85°	22.9	27.4	61.2	53.8	23.9	22.4	65.2	58.2	37.3	19.9	13.4
87.5°	11.9	15.4	44.8	35.8	14.4	8.0	14.9	14.4	9.5	7.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674698
 CATALOG NUMBER: CCP-SA-2B-735-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	925.8	925.8	925.8	925.8	925.8	925.8	925.8	925.8	925.8	925.8	925.8
2.5°	932.8	930.3	943.2	947.7	946.7	944.7	949.7	943.2	942.7	941.2	939.7
5°	949.7	953.7	964.1	964.1	950.2	927.3	913.3	894.4	878.5	869.0	867.6
7.5°	975.1	983.0	990.0	968.6	920.8	864.1	803.8	756.6	715.2	693.8	691.9
10°	1010.9	1018.4	1012.9	951.7	849.1	731.7	633.6	535.1	485.8	458.9	458.9
12.5°	1053.7	1059.7	1026.3	909.4	731.2	560.9	430.0	326.5	277.2	245.4	243.4
15°	1100.0	1101.5	1024.3	835.7	585.3	376.8	246.9	181.2	160.3	155.8	154.8
17.5°	1140.3	1134.3	1003.4	726.7	421.6	224.5	156.8	141.9	137.9	137.9	137.9
20°	1178.1	1158.2	961.6	599.8	270.3	152.8	134.9	130.9	130.9	131.4	131.4
22.5°	1219.9	1180.6	901.9	458.9	173.7	130.9	126.4	124.4	123.9	125.4	124.9
25°	1269.2	1202.5	816.3	317.1	134.4	121.9	120.0	118.0	118.0	118.0	118.0
27.5°	1296.6	1199.5	718.7	200.1	117.5	113.0	111.0	109.0	107.5	107.0	107.5
30°	1320.5	1182.1	591.3	139.9	106.0	101.0	99.5	97.1	94.1	93.1	93.1
32.5°	1351.8	1167.7	457.9	112.5	96.1	90.6	86.1	82.1	77.1	75.2	74.7
35°	1386.7	1141.3	335.5	99.0	87.1	80.1	73.2	66.7	60.2	58.2	57.7
37.5°	1430.0	1117.4	227.5	91.6	79.6	71.2	61.7	52.8	46.8	45.8	45.8
40°	1488.7	1097.5	157.3	85.1	72.7	62.7	51.3	41.8	37.8	36.8	36.8
42.5°	1568.9	1081.1	119.0	79.6	66.7	54.3	41.3	34.3	31.4	30.4	30.4
45°	1663.4	1055.7	100.5	74.7	60.7	45.8	34.3	28.9	27.4	27.4	27.4
47.5°	1771.9	1023.8	91.6	69.7	54.3	37.3	28.9	26.4	25.9	25.9	26.4
50°	1881.4	986.0	85.1	63.7	46.8	31.9	26.4	24.9	24.9	25.4	25.4
52.5°	1955.6	926.8	78.6	57.2	39.3	27.9	24.9	24.4	23.9	23.9	23.9
55°	2027.8	875.0	69.7	50.3	32.9	25.9	23.9	23.4	23.4	22.9	22.9
57.5°	2102.9	834.2	58.2	41.8	27.9	24.4	22.9	22.9	21.9	21.4	21.4
60°	2190.0	798.4	44.8	32.9	24.4	22.9	21.4	20.9	19.9	18.9	18.9
62.5°	2215.4	722.7	33.8	26.4	20.9	19.9	19.4	18.4	15.9	13.9	14.4
65°	2149.2	603.8	26.9	20.9	16.9	16.9	15.4	12.9	10.5	9.0	9.0
67.5°	1966.5	450.9	21.9	16.4	13.4	12.9	11.0	9.5	6.5	5.5	5.5
70°	1620.6	298.1	17.9	12.9	11.0	9.0	7.5	7.0	5.0	4.0	4.0
72.5°	1135.8	161.8	14.9	10.5	8.0	6.0	5.0	4.5	3.5	3.0	2.5
75°	599.8	62.2	11.9	8.0	5.0	4.0	3.0	3.0	2.5	2.0	2.0
77.5°	205.6	26.4	8.5	4.5	3.5	2.5	2.0	1.5	2.0	1.5	1.5
80°	48.8	15.4	5.5	3.0	2.0	1.5	1.5	1.0	1.0	1.0	1.0
82.5°	21.4	9.0	3.5	2.0	2.0	1.5	1.0	0.5	0.5	0.5	0.5
85°	14.4	5.5	2.5	2.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.4	3.5	2.0	2.0	1.5	1.0	0.5	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)