

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: P674583

Luminaire Tested: **CCP-SA-1D-760-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674583
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-760-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4619 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

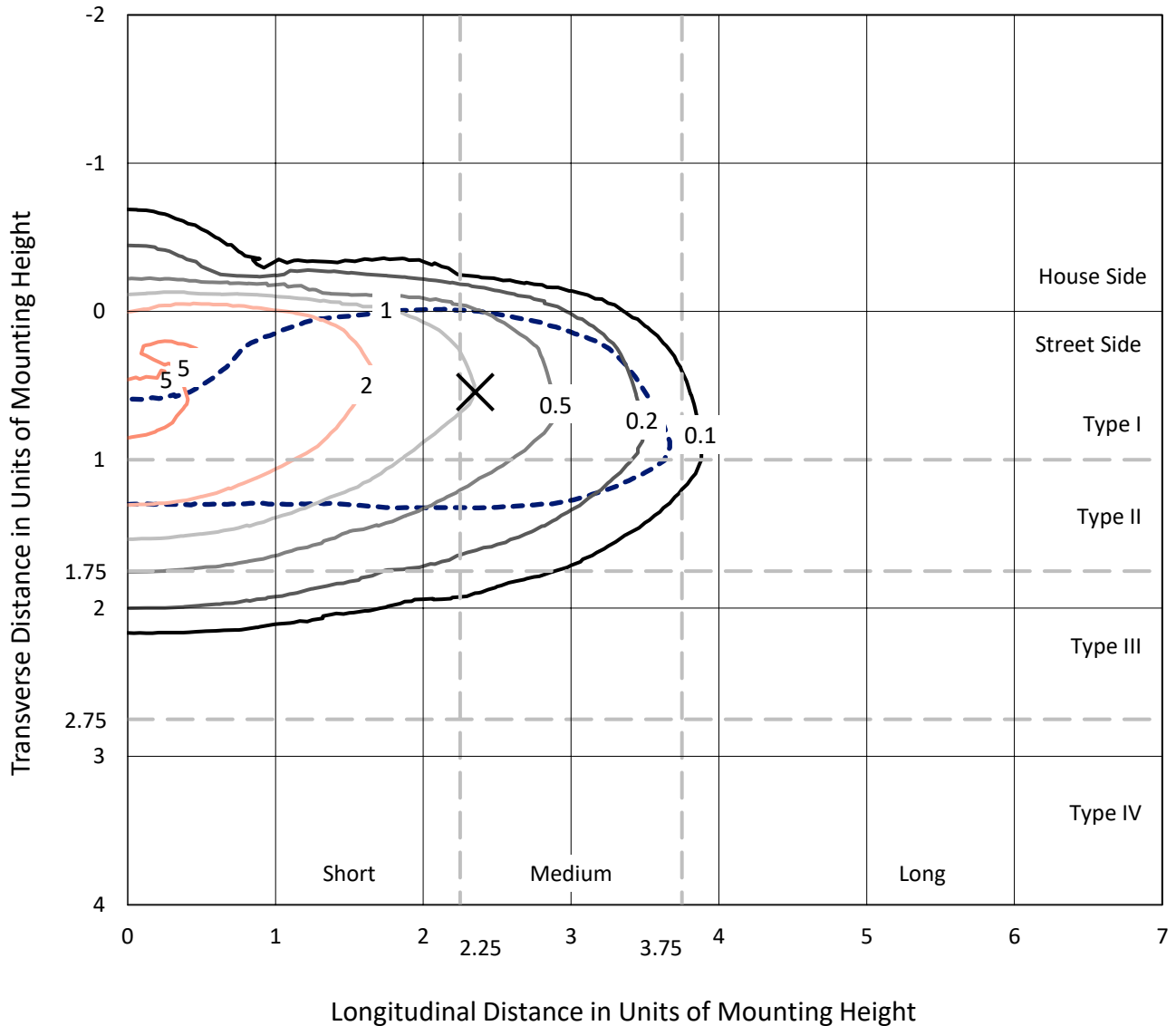
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

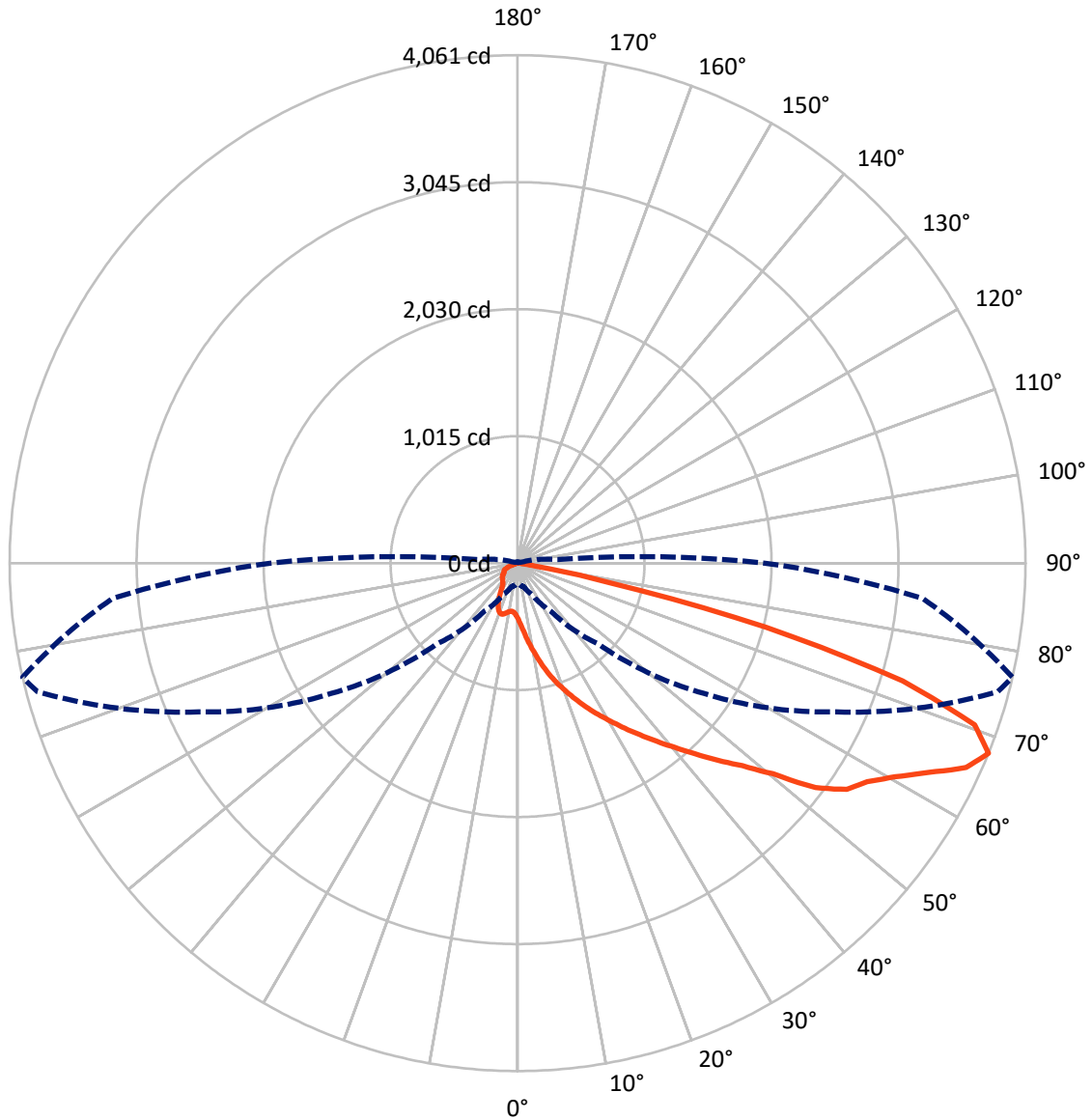
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	288.6	0.0	288.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4330.4	0.0	4330.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	4619.0	0.0	4619.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	1.1
10°-20°	192.3	4.2
20°-30°	375.7	8.1
30°-40°	656.8	14.2
40°-50°	957.8	20.7
50°-60°	1120.0	24.2
60°-70°	907.9	19.7
70°-80°	341.1	7.4
80°-90°	15.5	0.3
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°	4619.0	100.0
0°-180°	4619.0	100.0



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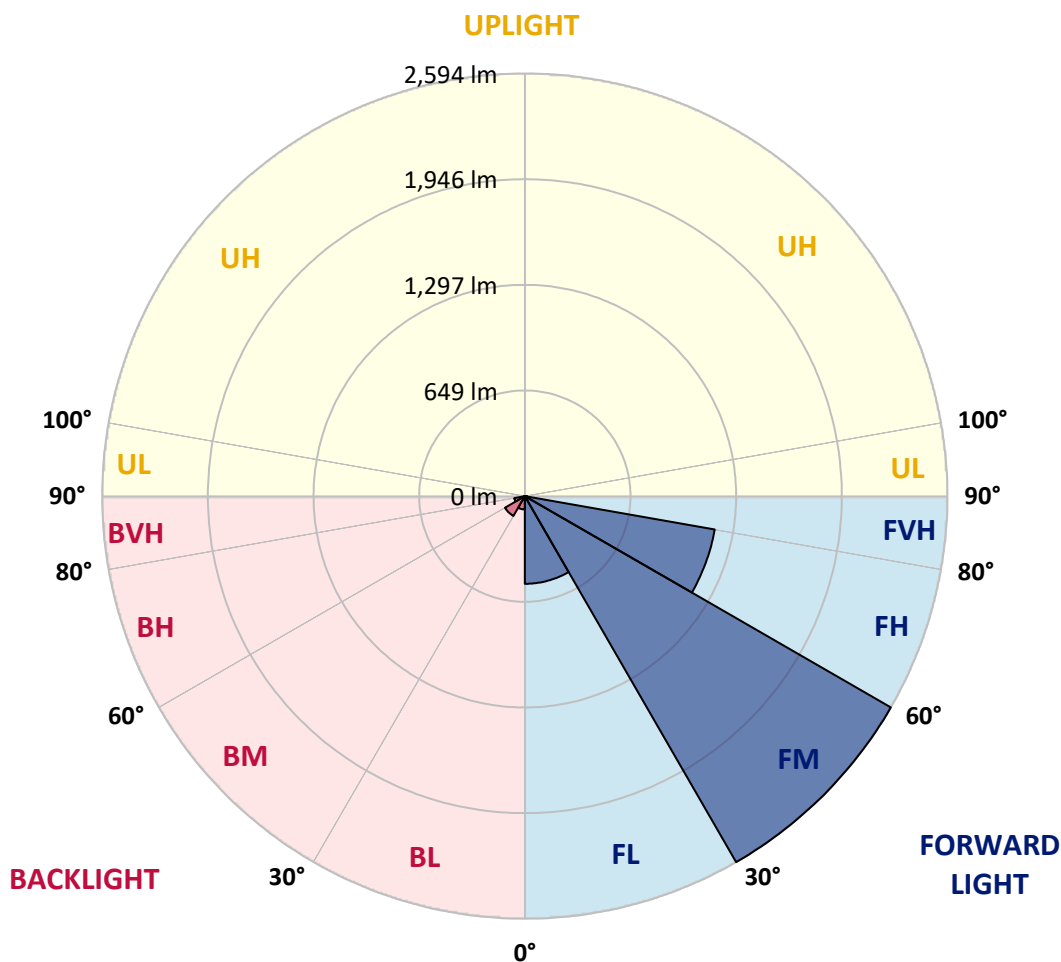
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.1	11.6			
FM (30°-60°)	2594.2	56.2			
FH (60°-80°)	1183.5	25.6			G1/1800
FVH (80°-90°)	14.6	0.3			G1/100
BL (0°-30°)	81.9	1.8	B0/110		
BM (30°-60°)	140.4	3.0	B0/220		
BH (60°-80°)	65.5	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4
2.5°	664.2	640.1	644.7	634.6	621.7	591.7	560.0	528.3	500.0	493.7	465.4
5°	850.6	843.1	835.2	828.5	801.4	763.9	706.8	634.2	568.8	557.5	498.7
7.5°	995.3	984.1	991.2	970.7	942.4	906.1	833.5	756.0	655.1	638.4	547.1
10°	1102.1	1095.8	1099.2	1089.6	1075.8	1039.5	967.8	870.7	753.9	722.2	601.3
12.5°	1182.1	1183.4	1198.0	1198.8	1187.6	1158.0	1082.1	980.7	843.6	815.2	661.3
15°	1240.5	1241.8	1259.7	1278.9	1291.8	1276.4	1207.6	1094.2	949.0	910.3	724.3
17.5°	1250.1	1250.9	1282.6	1321.4	1361.4	1374.8	1321.8	1206.7	1045.4	1001.2	796.4
20°	1256.4	1263.5	1291.8	1336.4	1399.8	1441.1	1412.3	1314.7	1138.8	1087.5	867.3
22.5°	1332.3	1332.3	1348.9	1380.6	1431.1	1495.7	1489.9	1414.0	1229.7	1178.8	937.8
25°	1493.2	1493.2	1476.9	1468.6	1495.7	1546.6	1561.2	1519.9	1333.5	1273.5	1012.0
27.5°	1706.3	1706.3	1680.8	1619.6	1596.2	1617.5	1632.9	1612.0	1429.4	1370.2	1090.4
30°	1927.3	1934.8	1890.6	1812.6	1730.9	1714.6	1699.6	1695.0	1531.6	1464.9	1170.0
32.5°	2149.1	2148.3	2093.2	1996.1	1889.3	1831.8	1783.0	1777.6	1640.0	1574.5	1245.5
35°	2326.3	2326.8	2268.8	2169.1	2045.7	1972.3	1893.9	1868.5	1758.8	1685.9	1335.6
37.5°	2479.8	2471.0	2408.5	2313.8	2198.7	2122.8	2025.3	1959.0	1881.8	1807.6	1425.7
40°	2567.8	2556.1	2495.2	2405.1	2318.0	2260.0	2174.1	2068.2	2016.9	1936.9	1528.2
42.5°	2580.7	2570.7	2530.2	2476.0	2404.7	2353.9	2330.9	2191.6	2158.7	2086.2	1650.8
45°	2544.4	2528.2	2514.8	2486.5	2466.4	2441.8	2473.1	2323.0	2321.3	2249.2	1772.2
47.5°	2454.3	2432.2	2435.6	2466.9	2489.4	2511.5	2609.0	2495.2	2485.2	2417.7	1931.5
50°	2300.5	2289.6	2326.3	2388.0	2477.3	2565.7	2744.6	2671.2	2710.8	2647.4	2151.2
52.5°	1987.7	2001.1	2110.8	2259.2	2413.5	2591.1	2871.7	2933.9	3035.2	2983.1	2372.2
55°	1612.5	1607.5	1753.8	2017.4	2263.8	2574.9	2927.2	3088.6	3247.9	3193.2	2495.2
57.5°	1298.9	1307.7	1406.5	1667.1	2009.8	2449.3	2940.1	3169.5	3333.3	3297.1	2609.0
60°	974.9	983.2	1073.3	1300.1	1672.1	2187.5	2833.4	3197.8	3493.9	3466.4	2790.8
62.5°	620.5	631.3	721.8	942.4	1278.0	1780.5	2593.6	3168.2	3661.5	3684.4	3039.0
65°	305.2	314.8	381.5	550.4	854.4	1331.4	2259.2	3055.2	3875.0	3940.5	3237.9
67.5°	168.9	173.5	196.4	280.2	476.6	913.2	1815.5	2813.8	3973.0	4060.6	3251.2
70°	131.3	132.6	141.4	163.5	232.3	535.8	1291.4	2411.8	3769.9	3875.8	2980.6
72.5°	110.5	112.2	116.3	123.8	145.1	279.0	811.4	1863.9	3172.0	3219.9	2305.9
75°	80.9	83.4	95.1	101.7	114.7	169.3	357.8	1120.0	2096.2	2049.0	1290.1
77.5°	68.0	70.1	73.0	82.6	94.7	115.5	125.5	469.5	853.1	741.8	338.6
80°	46.3	48.8	56.7	61.7	80.1	76.3	52.1	125.9	171.4	139.7	65.0
82.5°	32.9	35.0	39.2	50.5	58.0	40.4	28.4	38.4	41.3	39.2	21.3
85°	10.4	13.3	28.4	41.7	31.3	13.8	17.9	14.6	12.9	12.5	8.3
87.5°	2.1	2.1	14.2	16.7	12.5	7.1	6.3	4.6	5.8	5.8	4.6
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°	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4
2.5°	452.0	433.2	406.1	380.7	354.9	336.5	323.6	310.7	305.6	303.6	298.1
5°	472.0	436.2	382.4	339.0	307.3	287.3	275.2	264.8	258.1	256.0	253.1
7.5°	500.8	449.1	371.9	321.9	290.2	268.5	248.9	226.4	208.5	201.4	198.5
10°	532.1	468.7	373.6	318.6	276.5	228.9	185.1	148.9	133.0	127.2	123.0
12.5°	577.9	490.4	380.7	314.8	235.2	163.5	118.4	103.4	99.7	98.8	98.0
15°	623.8	520.8	392.4	289.8	175.5	111.3	98.4	93.0	90.9	88.8	88.8
17.5°	670.1	550.0	397.0	241.0	121.3	96.3	89.7	85.1	81.7	80.1	78.8
20°	722.2	580.9	383.6	181.4	97.2	88.0	80.5	75.1	72.1	70.5	69.2
22.5°	778.5	611.3	354.4	126.3	88.4	79.2	72.1	66.7	63.8	62.1	61.7
25°	831.5	637.6	307.7	95.1	79.6	70.9	64.2	59.6	57.5	55.9	55.5
27.5°	886.1	660.1	246.9	83.8	72.6	64.2	57.5	53.8	51.7	50.5	50.0
30°	939.5	675.5	183.9	76.7	66.3	58.0	52.1	49.2	47.1	45.9	45.5
32.5°	994.5	684.3	124.3	70.5	60.0	52.5	47.5	44.6	43.4	42.1	42.1
35°	1047.5	683.0	89.7	64.6	55.0	47.5	42.9	40.9	40.4	39.2	39.2
37.5°	1105.4	674.3	76.3	59.2	49.6	42.9	39.2	37.9	37.5	36.7	36.3
40°	1171.3	654.7	69.6	55.0	45.0	39.2	35.9	35.0	34.6	33.8	33.8
42.5°	1243.4	629.2	65.9	50.5	41.3	35.4	32.9	31.7	31.3	30.4	30.4
45°	1327.2	605.0	63.4	45.9	37.9	32.5	30.0	28.8	28.4	27.5	27.5
47.5°	1441.5	591.3	59.2	41.7	34.2	29.6	27.1	26.3	25.4	24.6	24.6
50°	1598.7	575.0	53.8	37.5	31.3	26.7	25.0	23.8	23.4	22.5	22.5
52.5°	1728.0	540.4	48.4	33.4	27.9	24.6	22.9	22.1	21.3	20.8	20.8
55°	1773.4	500.0	42.9	30.0	25.4	22.9	21.3	20.4	20.0	19.6	19.6
57.5°	1846.0	487.0	37.9	26.7	22.9	21.3	19.6	19.2	18.8	18.3	17.9
60°	1969.8	494.5	33.4	23.8	20.8	19.2	17.9	17.5	16.7	15.8	15.8
62.5°	2089.9	485.4	28.4	20.8	17.9	17.1	15.8	15.0	13.3	12.1	11.3
65°	2119.1	424.1	24.6	17.5	15.0	14.2	12.9	11.3	8.8	7.1	7.1
67.5°	1977.7	322.3	21.3	15.0	12.5	11.7	9.2	7.5	5.4	4.2	4.2
70°	1632.1	204.3	17.5	11.7	10.4	7.9	5.8	5.4	3.8	3.3	2.9
72.5°	1177.6	111.8	14.6	9.6	7.5	5.0	4.2	3.3	2.5	1.7	1.7
75°	596.3	52.5	10.8	7.5	5.0	3.3	2.5	1.7	1.7	1.3	1.3
77.5°	168.9	24.2	7.1	5.0	3.3	2.1	1.7	1.3	1.3	0.8	0.8
80°	33.4	12.1	4.6	3.3	2.5	1.7	1.3	0.8	0.8	0.4	0.4
82.5°	12.1	6.3	3.3	2.5	2.1	1.7	0.8	0.4	0.4	0.0	0.0
85°	6.3	3.3	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.0	0.0
87.5°	3.3	2.5	2.1	2.1	1.7	1.3	0.8	0.4	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)