

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: P673515

Luminaire Tested: **CCP-SA-2D-722-U-T4W-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673515
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-722-U-T4W-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T4W distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

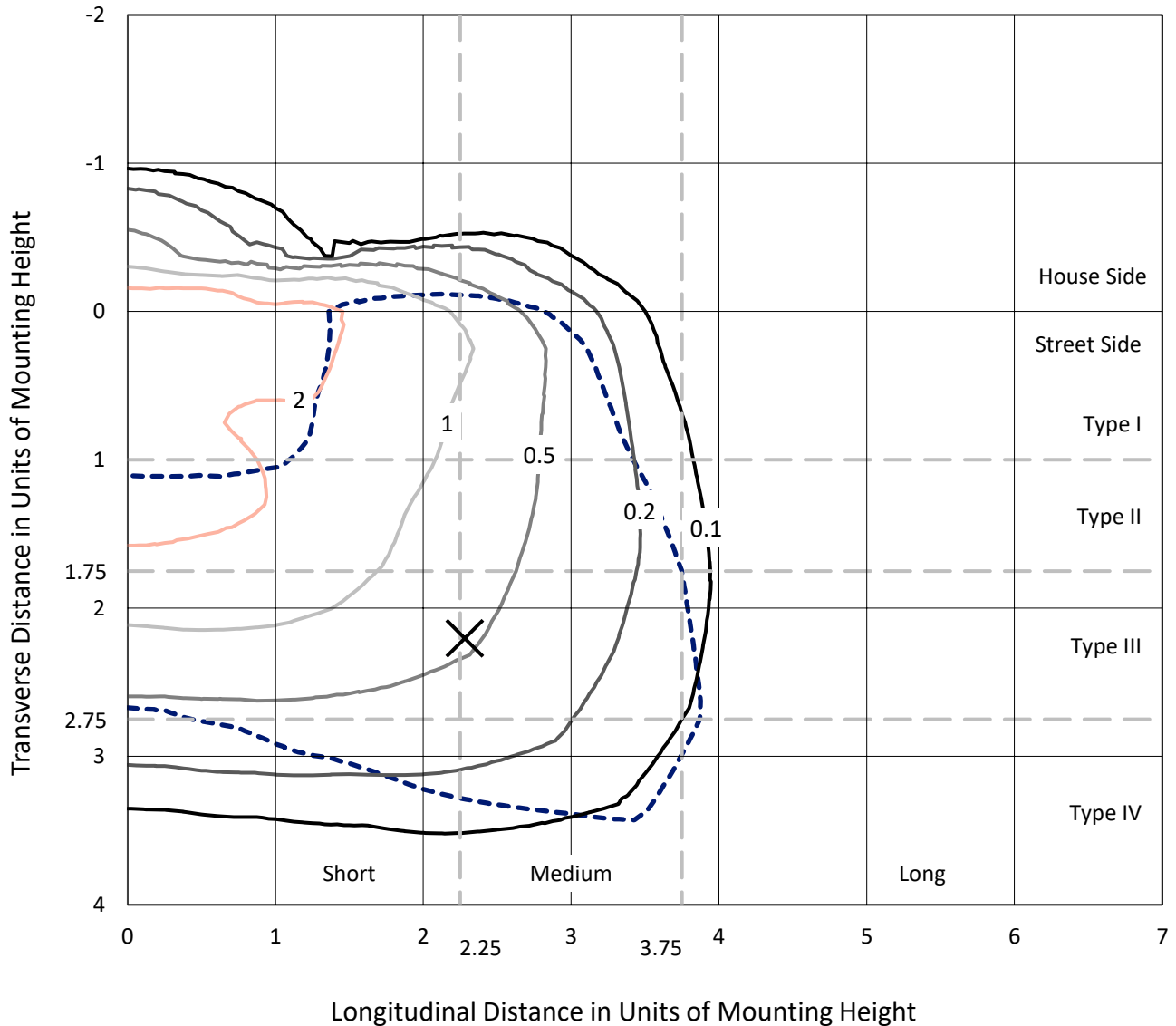
Lumens per Lamp: N/A
Luminaire Lumens: 5927 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

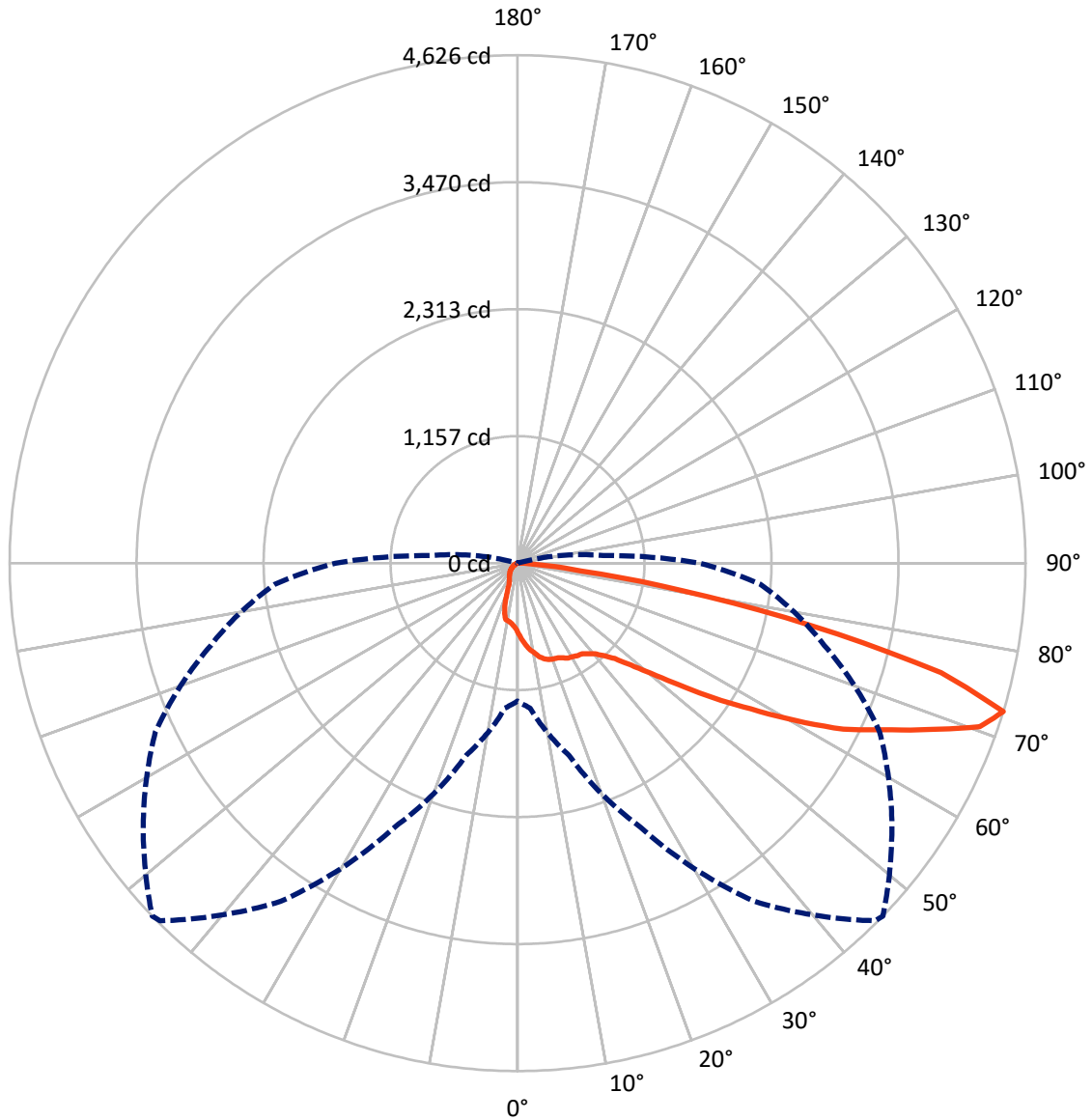
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	638.1	0.0	638.1
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	5288.9	0.0	5288.9
	% Fixture	89.2	0.0	89.2
Total	Lumens	5927.0	0.0	5927.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.1
10°-20°	191.4	3.2
20°-30°	299.7	5.1
30°-40°	419.7	7.1
40°-50°	692.0	11.7
50°-60°	1243.8	21.0
60°-70°	1802.8	30.4
70°-80°	1125.1	19.0
80°-90°	89.2	1.5
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°	5927.0	100.0
0°-180°	5927.0	100.0

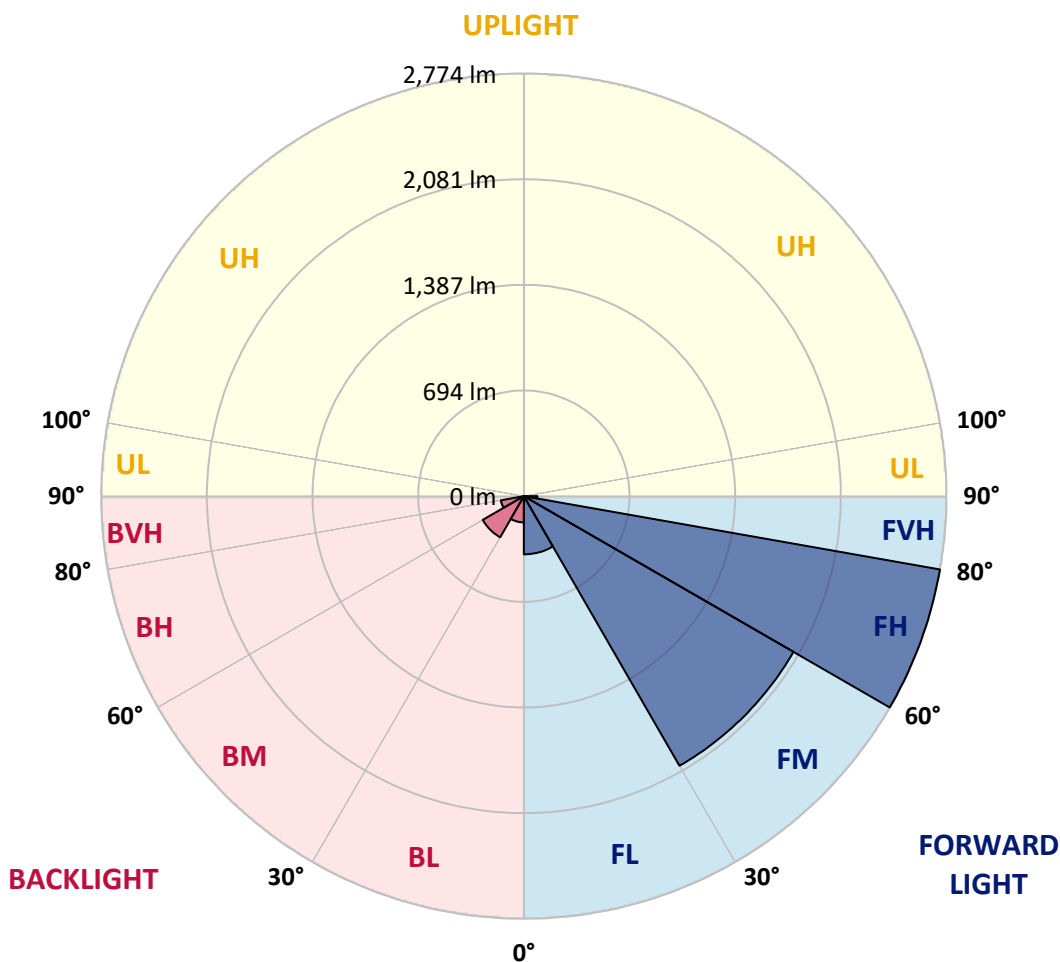


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.0	6.4			
FM (30°-60°)	2043.8	34.5			
FH (60°-80°)	2774.4	46.8			G2/5000
FVH (80°-90°)	88.7	1.5			G1/100
BL (0°-30°)	172.5	2.9	B1/500		
BM (30°-60°)	311.7	5.3	B1/1000		
BH (60°-80°)	153.4	2.6	B1/500		G1/500
BVH (80°-90°)	0.5	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5
2.5°	709.1	706.0	710.6	709.1	690.9	693.9	692.4	680.3	659.2	647.1	639.5
5°	790.7	798.2	792.2	778.6	768.0	746.8	743.8	724.2	690.9	669.7	647.1
7.5°	875.4	875.4	863.3	842.1	819.4	796.7	793.7	760.5	731.7	695.4	663.7
10°	938.8	931.3	922.2	899.5	873.8	843.6	828.5	804.3	772.5	728.7	687.9
12.5°	994.8	982.7	967.6	934.3	904.1	870.8	873.8	834.5	813.4	774.1	713.6
15°	1026.5	1016.0	1002.3	972.1	925.2	910.1	904.1	879.9	842.1	802.8	745.3
17.5°	1034.1	1026.5	1008.4	969.1	943.4	925.2	923.7	895.0	878.4	845.1	781.6
20°	1019.0	1005.4	991.8	966.1	941.9	935.8	931.3	931.3	910.1	866.3	804.3
22.5°	993.3	978.2	970.6	955.5	935.8	934.3	937.3	934.3	917.7	889.0	828.5
25°	973.6	966.1	954.0	949.4	937.3	960.0	955.5	950.9	946.4	913.1	866.3
27.5°	979.7	978.2	969.1	950.9	941.9	966.1	979.7	981.2	979.7	946.4	901.1
30°	982.7	975.1	966.1	961.5	964.6	988.7	988.7	1022.0	1008.4	975.1	935.8
32.5°	1017.5	1012.9	982.7	972.1	973.6	1002.3	1003.9	1037.1	1032.6	1009.9	966.1
35°	1091.5	1061.3	1017.5	987.2	987.2	1025.0	1012.9	1061.3	1073.4	1037.1	987.2
37.5°	1201.9	1179.2	1100.6	1032.6	1006.9	1034.1	1046.2	1073.4	1109.7	1077.9	1029.6
40°	1421.1	1416.6	1304.7	1158.1	1056.8	1081.0	1085.5	1127.8	1152.0	1108.2	1094.6
42.5°	1741.6	1719.0	1614.6	1383.3	1147.5	1136.9	1153.5	1180.7	1238.2	1201.9	1168.6
45°	2054.6	2044.0	1939.7	1681.2	1312.3	1248.8	1239.7	1288.1	1372.7	1333.4	1307.7
47.5°	2281.4	2260.2	2201.2	1983.5	1554.2	1380.3	1386.4	1434.7	1542.1	1511.8	1519.4
50°	2455.2	2444.6	2382.7	2263.2	1859.6	1587.4	1575.3	1623.7	1768.8	1788.5	1809.7
52.5°	2645.7	2665.4	2582.2	2480.9	2220.9	1865.6	1838.4	1855.0	2042.5	2087.8	2146.8
55°	2828.6	2860.4	2777.2	2763.6	2598.8	2174.0	2169.5	2130.2	2372.1	2378.1	2409.9
57.5°	2948.1	2937.5	2931.4	3005.5	2976.8	2527.8	2505.1	2465.8	2685.0	2645.7	2741.0
60°	2957.1	2987.4	3088.7	3271.6	3323.0	2943.5	2910.3	2802.9	2955.6	2861.9	3043.3
62.5°	3025.2	3049.4	3236.8	3489.3	3555.8	3309.4	3332.1	3060.0	3186.9	3112.9	3378.9
65°	2852.8	2928.4	3304.9	3658.6	3861.2	3679.8	3657.1	3391.0	3424.3	3354.8	3710.0
67.5°	2697.1	2725.8	3118.9	3710.0	4103.1	4051.7	4042.6	3684.3	3669.2	3540.7	3803.8
70°	2192.2	2226.9	2615.5	3447.0	4184.8	4485.6	4464.4	4095.6	3835.5	3439.4	3323.0
72.5°	1256.3	1325.9	1812.7	2654.8	3759.9	4606.6	4626.2	4162.1	3639.0	2892.1	2219.4
75°	411.2	430.9	752.9	1504.3	2812.0	4018.5	3983.7	3577.0	2936.0	1909.4	1002.3
77.5°	139.1	142.1	222.2	544.3	1558.7	2715.3	2734.9	2556.5	1803.6	793.7	276.7
80°	71.1	75.6	108.9	204.1	641.0	1478.6	1510.3	1457.4	755.9	234.3	66.5
82.5°	33.3	34.8	63.5	113.4	293.3	580.5	580.5	638.0	267.6	131.5	27.2
85°	12.1	12.1	33.3	65.0	124.0	193.5	195.0	196.5	140.6	98.3	12.1
87.5°	4.5	4.5	16.6	27.2	45.4	59.0	59.0	46.9	71.1	65.0	4.5
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°	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5
2.5°	636.5	627.4	619.9	609.3	595.7	588.1	589.6	580.5	580.5	576.0	574.5
5°	636.5	627.4	607.8	589.6	577.5	562.4	554.8	548.8	548.8	545.8	547.3
7.5°	641.0	627.4	600.2	576.0	556.4	541.2	529.1	527.6	524.6	517.0	523.1
10°	668.2	648.6	603.2	570.0	547.3	530.7	509.5	503.4	494.4	480.8	482.3
12.5°	690.9	665.2	624.4	579.0	550.3	523.1	474.7	421.8	399.1	374.9	376.4
15°	724.2	687.9	631.9	591.1	550.3	462.6	374.9	306.9	270.6	252.5	252.5
17.5°	742.3	712.1	653.1	598.7	506.5	376.4	266.1	207.1	201.1	204.1	204.1
20°	780.1	739.3	677.3	604.7	433.9	267.6	195.0	189.0	192.0	198.1	196.5
22.5°	804.3	763.5	695.4	577.5	335.6	192.0	182.9	179.9	182.9	190.5	190.5
25°	823.9	798.2	724.2	511.0	237.4	173.9	170.8	173.9	176.9	179.9	184.4
27.5°	872.3	828.5	743.8	424.8	170.8	161.8	164.8	166.3	166.3	170.8	172.3
30°	904.1	869.3	758.9	328.1	151.2	149.7	152.7	154.2	155.7	160.3	161.8
32.5°	934.3	922.2	739.3	222.2	142.1	139.1	137.6	139.1	145.1	149.7	148.2
35°	978.2	970.6	710.6	154.2	133.0	127.0	124.0	125.5	130.0	134.6	133.0
37.5°	1031.1	1038.6	641.0	134.6	124.0	116.4	110.4	110.4	111.9	116.4	117.9
40°	1093.1	1112.7	559.4	125.5	117.9	108.9	102.8	95.2	93.7	92.2	93.7
42.5°	1206.4	1229.1	467.2	119.4	108.9	98.3	89.2	80.1	72.6	68.0	68.0
45°	1365.2	1347.0	346.2	113.4	104.3	89.2	75.6	65.0	54.4	49.9	49.9
47.5°	1584.4	1522.4	237.4	107.3	96.8	78.6	63.5	49.9	40.8	36.3	36.3
50°	1888.3	1684.2	154.2	101.3	92.2	68.0	51.4	36.3	30.2	28.7	30.2
52.5°	2175.5	1849.0	122.5	93.7	83.2	59.0	39.3	30.2	27.2	25.7	25.7
55°	2440.1	1932.1	108.9	86.2	75.6	48.4	33.3	25.7	24.2	22.7	22.7
57.5°	2663.9	1960.8	93.7	75.6	60.5	37.8	27.2	22.7	19.7	18.1	18.1
60°	2857.4	1968.4	72.6	60.5	43.8	28.7	22.7	19.7	16.6	13.6	13.6
62.5°	3011.6	1915.5	51.4	42.3	30.2	22.7	19.7	13.6	9.1	6.0	4.5
65°	3134.0	1809.7	34.8	28.7	19.7	16.6	12.1	6.0	1.5	0.0	0.0
67.5°	2990.4	1569.3	27.2	21.2	13.6	10.6	6.0	1.5	0.0	0.0	0.0
70°	2438.6	1217.0	19.7	13.6	9.1	3.0	1.5	0.0	0.0	0.0	0.0
72.5°	1660.0	784.6	15.1	9.1	4.5	1.5	0.0	0.0	0.0	0.0	0.0
75°	745.3	281.2	10.6	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	181.4	66.5	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	48.4	16.6	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.1	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.5	0.0	0.0	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)