

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: P673376

Luminaire Tested: **CCP-SA-1D-727-U-T4FT-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673376
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-727-U-T4FT-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T4FT distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

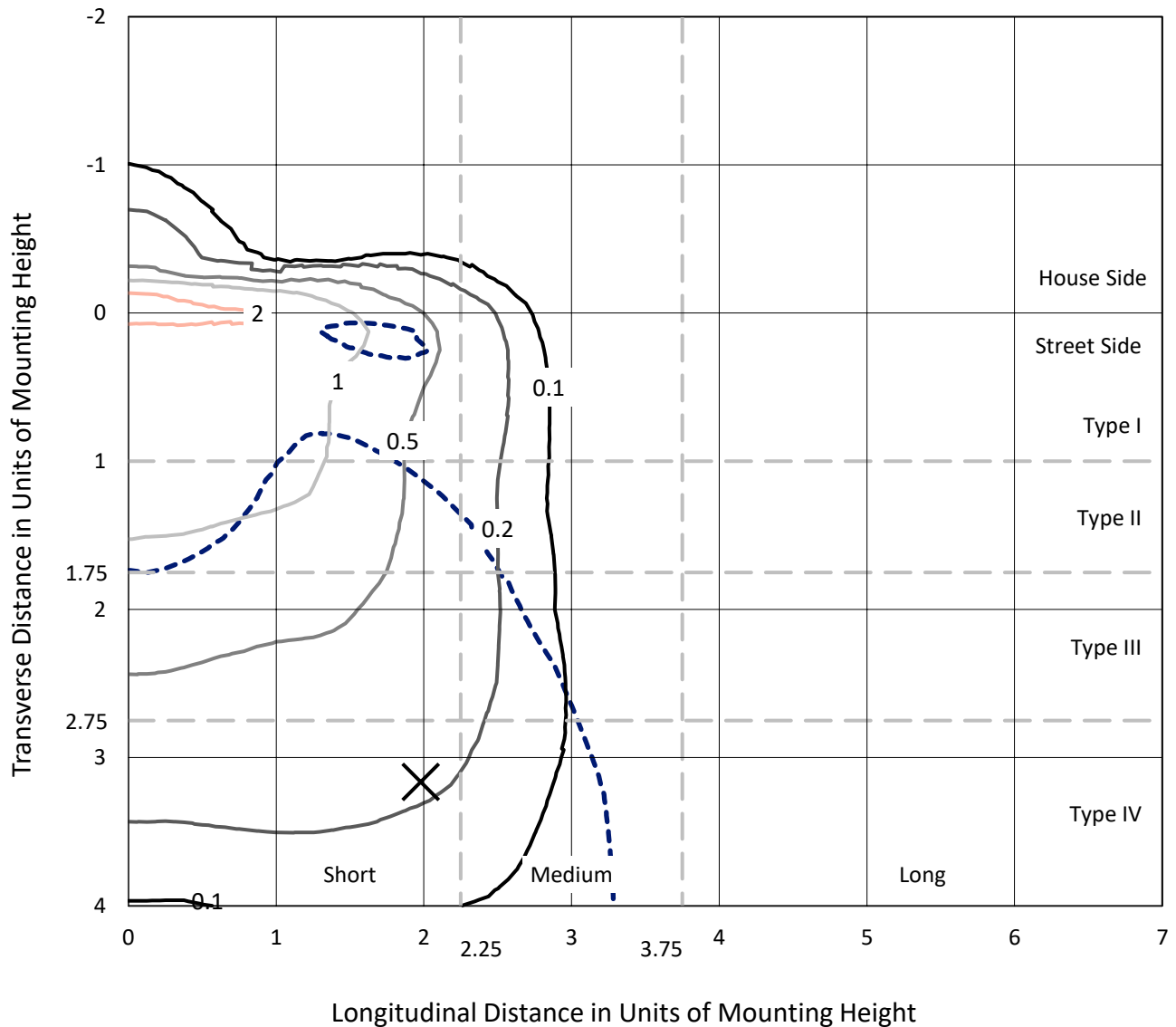
Lumens per Lamp: N/A
Luminaire Lumens: 3349 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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

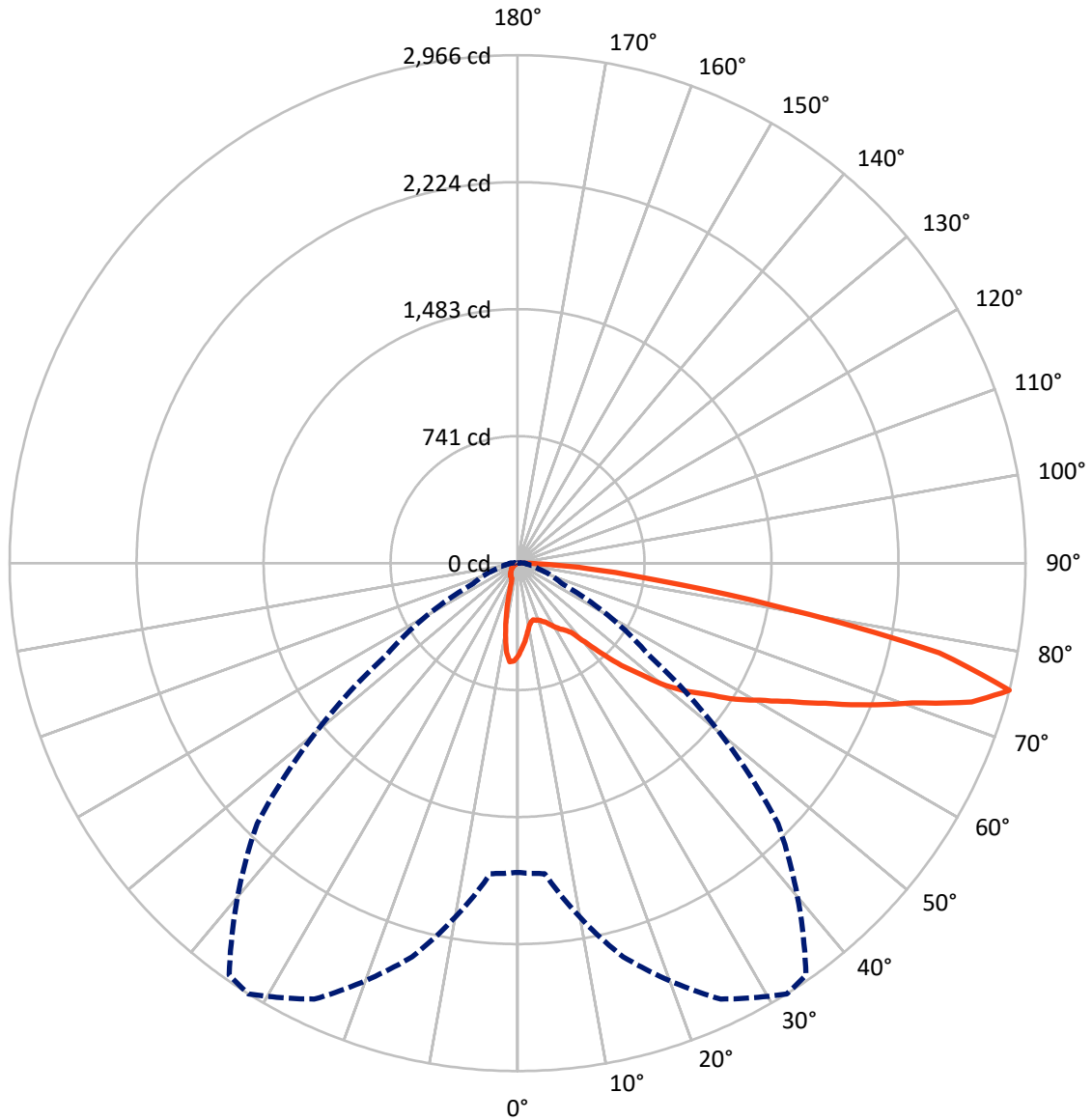
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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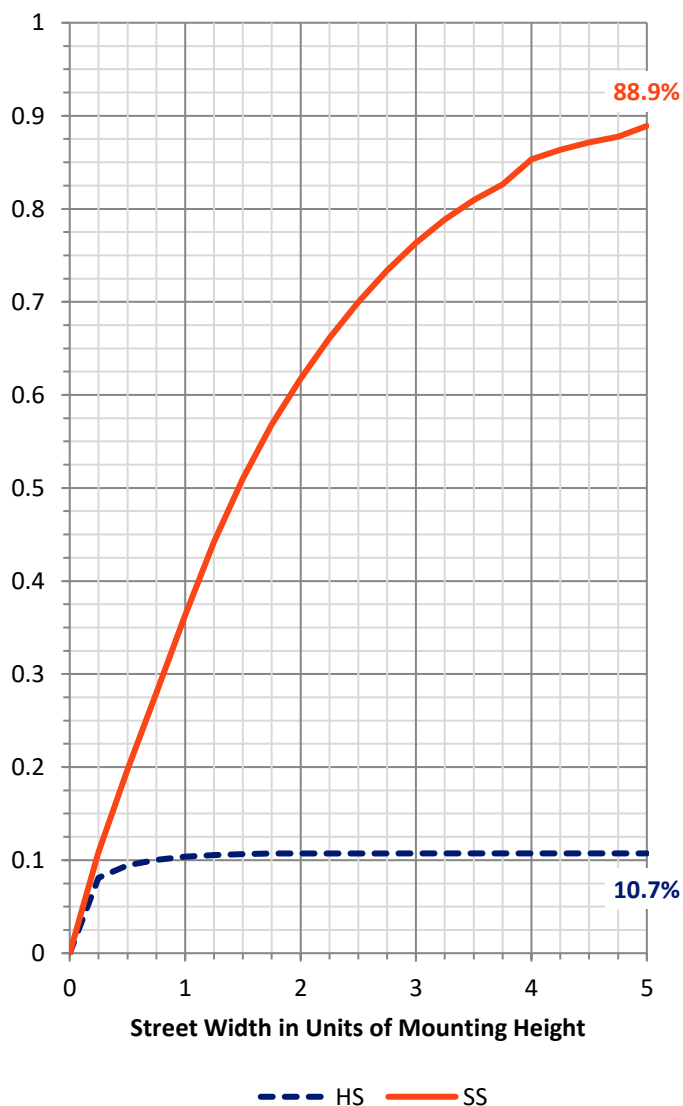
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	361.8	0.0	361.8
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2987.2	0.0	2987.2
	% Fixture	89.2	0.0	89.2
Total	Lumens	3349.0	0.0	3349.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	1.4
10°-20°	107.9	3.2
20°-30°	161.5	4.8
30°-40°	248.0	7.4
40°-50°	433.6	12.9
50°-60°	677.8	20.2
60°-70°	876.3	26.2
70°-80°	713.7	21.3
80°-90°	82.6	2.5
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°	3349.0	100.0
0°-180°	3349.0	100.0



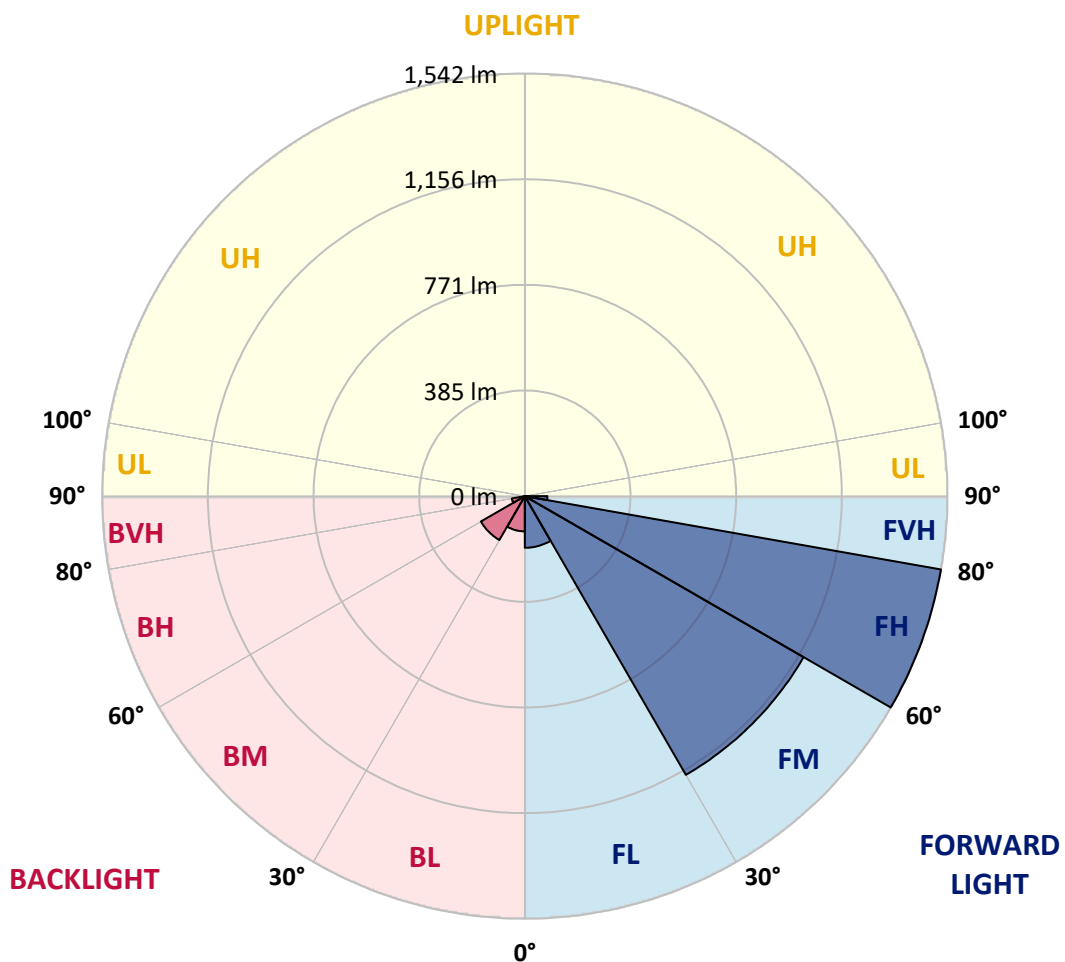
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.4	5.6			
FM (30°-60°)	1174.3	35.1			
FH (60°-80°)	1541.9	46.0			G1/1800
FVH (80°-90°)	82.6	2.5			G1/100
BL (0°-30°)	128.5	3.8	B1/500		
BM (30°-60°)	185.1	5.5	B0/220		
BH (60°-80°)	48.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8
2.5°	485.0	491.8	491.0	495.3	496.1	498.7	504.7	504.7	521.9	533.9	541.6
5°	441.2	436.9	438.6	443.8	456.6	455.8	470.4	478.1	498.7	515.9	533.9
7.5°	387.1	386.3	389.7	401.7	411.1	418.9	434.3	454.1	481.5	507.3	539.0
10°	352.8	351.1	357.9	361.4	372.5	377.7	401.7	432.6	465.2	502.1	539.0
12.5°	345.1	339.0	342.5	341.6	351.9	354.5	377.7	415.4	454.9	500.4	545.9
15°	349.3	345.1	341.6	341.6	344.2	345.9	370.8	404.3	448.9	503.0	561.4
17.5°	363.1	360.5	350.2	339.9	351.1	351.1	366.5	401.7	449.8	510.7	580.2
20°	379.4	376.8	358.8	346.8	354.5	363.1	379.4	407.7	452.3	516.7	609.4
22.5°	397.4	397.4	372.5	358.8	369.1	369.9	399.1	426.6	462.6	532.2	628.3
25°	419.7	418.0	394.0	378.5	382.0	391.4	418.0	447.2	481.5	553.6	663.5
27.5°	448.9	446.3	418.0	402.6	406.9	417.2	447.2	476.4	498.7	562.2	693.5
30°	472.9	470.4	447.2	424.0	433.5	442.9	478.1	503.8	520.2	578.5	727.9
32.5°	478.1	473.8	458.4	448.1	458.4	476.4	503.8	530.5	555.3	619.7	793.1
35°	537.3	521.9	481.5	465.2	480.7	486.7	532.2	579.4	603.4	652.3	866.1
37.5°	650.6	636.0	582.8	537.3	515.9	522.7	582.0	640.3	663.5	713.3	945.9
40°	789.7	765.6	709.0	648.0	604.3	595.7	634.3	720.1	742.5	789.7	1050.6
42.5°	948.5	925.3	837.7	765.6	721.0	709.8	715.9	812.8	831.7	860.1	1119.3
45°	1062.6	1050.6	951.9	887.5	852.3	840.3	825.7	914.1	938.2	947.6	1218.8
47.5°	1128.7	1120.1	1065.2	1021.4	974.2	961.3	970.8	1054.9	1038.6	1046.3	1314.1
50°	1217.1	1194.8	1120.1	1133.9	1124.4	1121.0	1137.3	1174.2	1150.2	1127.9	1418.0
52.5°	1288.4	1248.9	1196.5	1230.0	1244.6	1257.5	1315.0	1342.4	1235.1	1200.8	1484.9
55°	1332.1	1294.4	1308.1	1339.0	1354.5	1413.7	1481.5	1460.9	1290.9	1259.2	1574.2
57.5°	1371.6	1374.2	1411.1	1420.5	1499.5	1509.8	1640.3	1573.3	1330.4	1312.4	1609.4
60°	1466.9	1457.5	1487.5	1548.4	1624.0	1681.5	1805.9	1648.9	1350.2	1339.9	1599.9
62.5°	1638.6	1580.2	1590.5	1667.7	1778.5	1841.1	1901.2	1683.2	1345.0	1344.2	1571.6
65°	1856.6	1789.6	1758.7	1830.8	1974.2	2062.6	2008.5	1721.8	1310.7	1334.7	1466.0
67.5°	2037.7	2038.5	1981.0	2021.4	2208.5	2227.4	2109.8	1714.1	1253.2	1260.0	1208.5
70°	2246.3	2274.6	2223.9	2350.1	2443.7	2455.7	2225.7	1650.6	1129.6	950.2	694.4
72.5°	2299.5	2314.1	2472.0	2666.0	2771.6	2775.0	2339.8	1438.6	743.3	419.7	215.4
75°	1805.9	1819.7	2379.3	2808.5	2965.5	2935.5	2149.3	933.9	289.3	122.7	51.5
77.5°	1007.7	1012.0	1477.2	2270.3	2515.8	2394.8	1505.5	363.9	116.7	70.4	24.0
80°	275.5	323.6	547.6	1119.3	1536.4	1508.1	716.7	118.5	75.5	54.9	11.2
82.5°	66.1	71.2	176.0	495.3	812.0	847.2	213.7	60.1	52.4	45.5	6.0
85°	24.0	26.6	54.1	241.2	417.2	382.8	64.4	30.0	38.6	35.2	2.6
87.5°	8.6	8.6	17.2	79.0	121.9	91.8	21.5	10.3	19.7	21.5	0.9
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°	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8
2.5°	542.5	542.5	554.5	564.8	568.2	572.5	568.2	577.7	576.8	572.5	574.2
5°	543.3	558.8	569.1	575.9	579.4	578.5	580.2	569.9	563.9	559.6	555.3
7.5°	547.6	562.2	581.1	579.4	569.9	550.2	534.7	507.3	480.7	479.8	475.5
10°	562.2	575.1	586.2	579.4	545.0	485.0	436.0	399.1	365.7	350.2	351.9
12.5°	572.5	596.5	591.4	556.2	485.0	406.0	333.9	279.8	249.8	221.5	221.5
15°	594.0	602.6	600.8	522.7	411.1	316.7	229.2	174.2	142.5	129.6	127.9
17.5°	614.6	624.0	594.8	472.1	338.2	212.9	139.1	108.2	103.9	102.1	103.0
20°	640.3	641.2	589.7	421.4	254.1	134.8	99.6	97.0	97.9	97.0	97.0
22.5°	667.8	673.8	571.7	350.2	169.1	97.9	92.7	93.6	93.6	93.6	96.1
25°	703.8	694.4	543.3	282.4	110.7	90.1	90.1	91.0	91.0	91.0	91.8
27.5°	727.9	715.0	507.3	203.4	86.7	85.0	86.7	86.7	88.4	88.4	88.4
30°	777.7	744.2	461.8	131.3	78.1	80.7	82.4	84.1	85.0	86.7	87.6
32.5°	816.3	769.9	405.1	87.6	71.2	73.0	77.3	80.7	84.1	83.3	83.3
35°	886.7	812.0	352.8	69.5	65.2	65.2	69.5	75.5	80.7	82.4	82.4
37.5°	967.3	846.3	279.8	63.5	60.1	60.1	62.7	69.5	76.4	79.8	78.1
40°	1034.3	885.8	206.9	59.2	55.8	55.8	57.5	62.7	70.4	76.4	77.3
42.5°	1081.5	915.0	139.9	54.9	52.4	51.5	54.1	56.7	62.7	71.2	73.0
45°	1124.4	930.4	86.7	50.6	48.9	48.9	48.9	51.5	55.8	63.5	65.2
47.5°	1200.8	947.6	62.7	47.2	44.6	45.5	46.4	47.2	50.6	52.4	53.2
50°	1265.2	960.5	51.5	43.8	42.1	42.9	42.9	42.9	44.6	42.1	42.1
52.5°	1314.1	947.6	43.8	40.3	38.6	39.5	38.6	38.6	36.9	33.5	33.5
55°	1350.2	924.4	35.2	36.9	36.9	36.9	35.2	32.6	29.2	26.6	26.6
57.5°	1359.6	884.9	27.5	30.9	33.5	33.5	30.0	26.6	22.3	19.7	18.9
60°	1345.0	799.1	20.6	22.3	25.8	26.6	24.0	19.7	15.5	12.9	12.9
62.5°	1292.7	731.3	16.3	14.6	18.9	19.7	17.2	12.9	8.6	6.0	5.2
65°	1193.1	626.6	12.0	10.3	12.9	13.7	11.2	6.0	2.6	0.9	0.0
67.5°	957.0	472.1	7.7	6.9	8.6	8.6	5.2	1.7	0.0	0.0	0.0
70°	529.6	265.2	5.2	3.4	4.3	2.6	0.9	0.0	0.0	0.0	0.0
72.5°	152.8	75.5	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	41.2	18.0	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	18.0	6.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.0	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)