

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: P676399

Luminaire Tested: **CCW-SA-1D-730-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676399
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-730-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

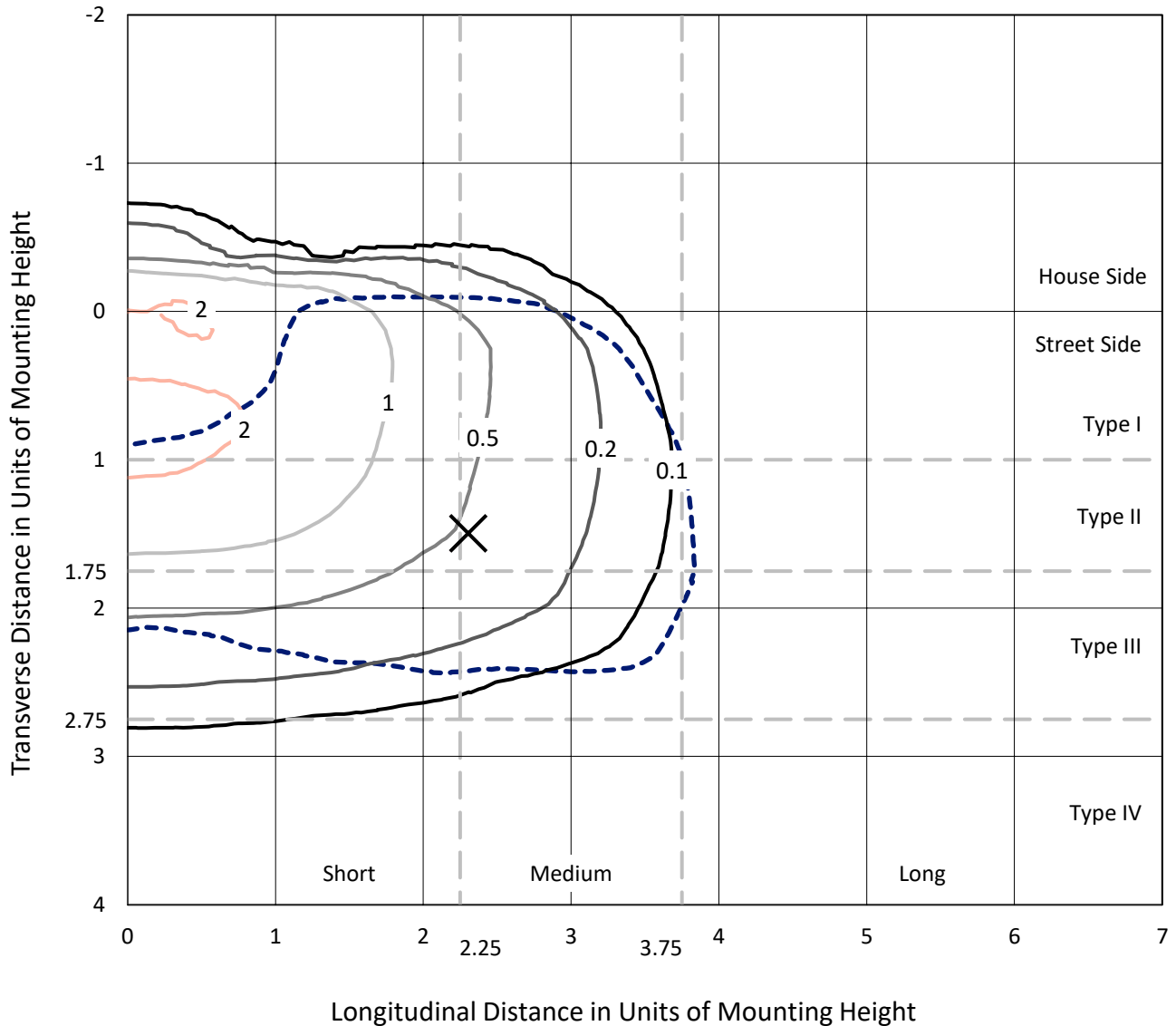
Lumens per Lamp: N/A
Luminaire Lumens: 3658.5 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

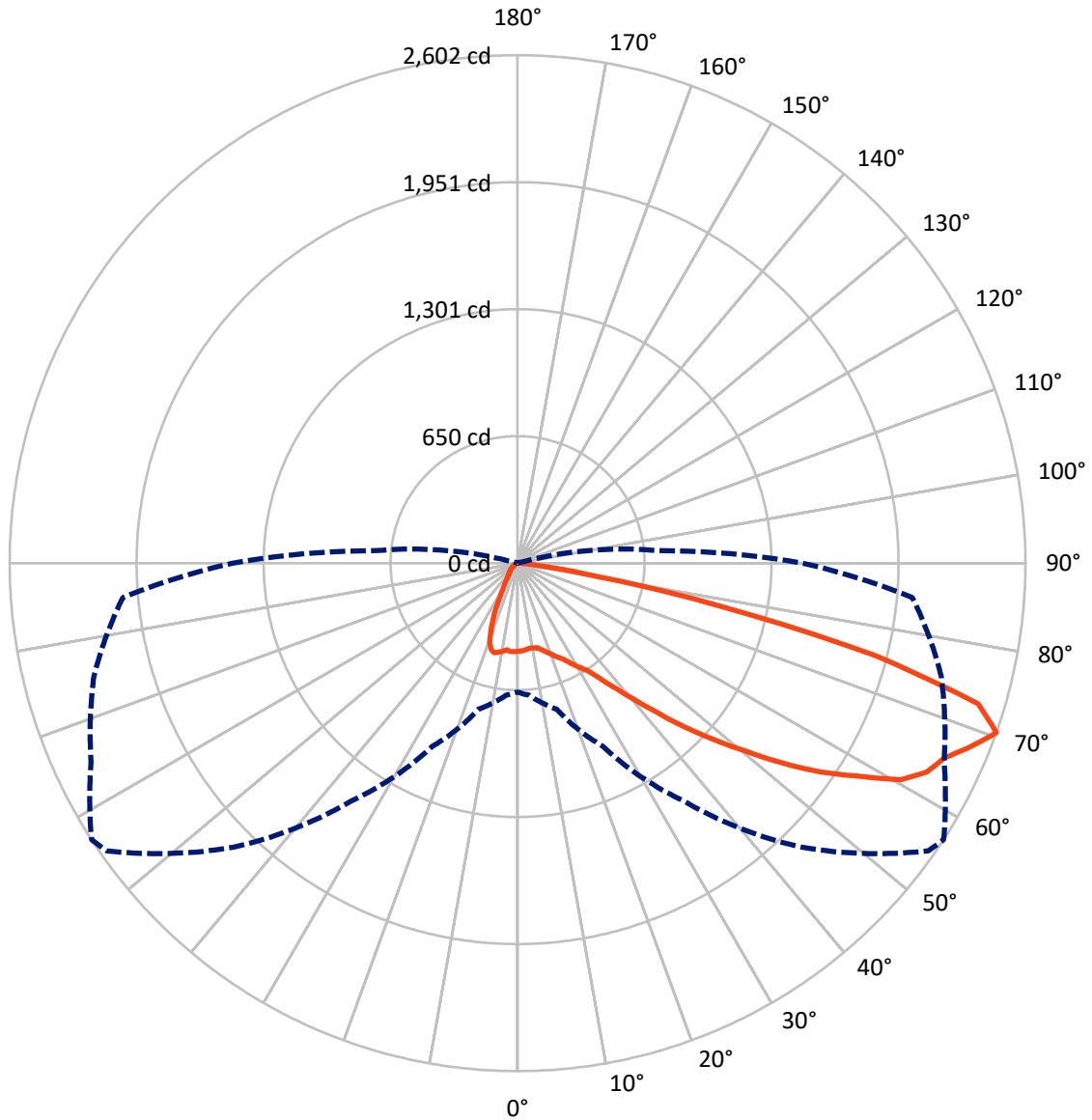
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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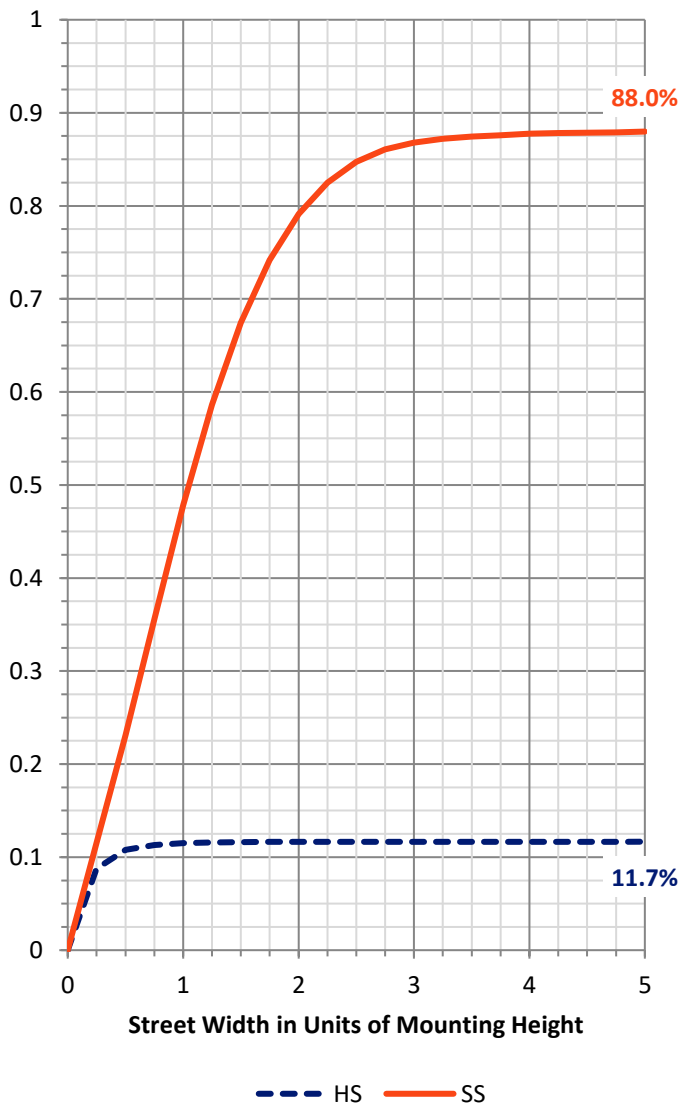
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	431.2	0.0	431.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3227.3	0.0	3227.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	3658.5	0.0	3658.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	1.2
10°-20°	117.9	3.2
20°-30°	198.7	5.4
30°-40°	340.0	9.3
40°-50°	570.9	15.6
50°-60°	876.3	24.0
60°-70°	1011.8	27.7
70°-80°	477.9	13.1
80°-90°	22.7	0.6
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°	3658.5	100.0
0°-180°	3658.5	100.0

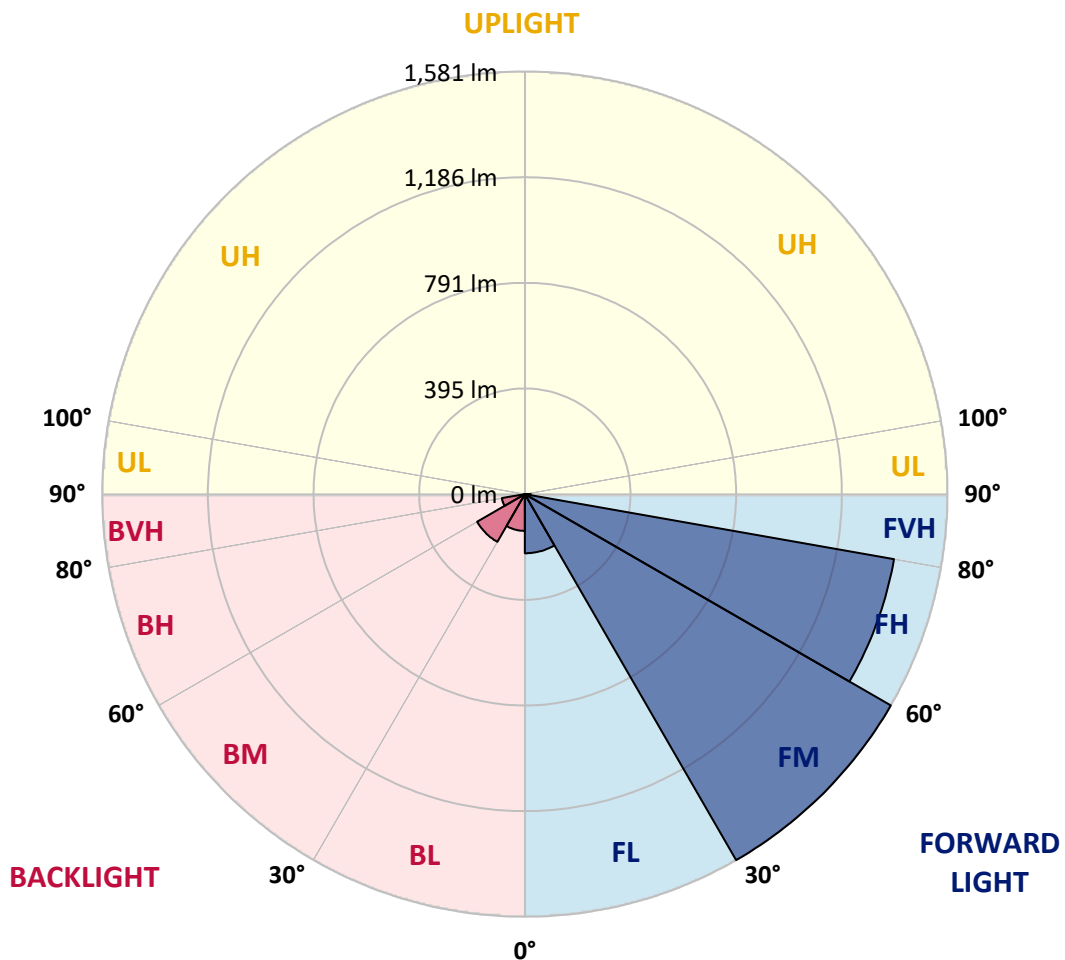


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.3	6.0			
FM (30°-60°)	1581.1	43.2			
FH (60°-80°)	1402.5	38.3			G1/1800
FVH (80°-90°)	22.3	0.6			G1/100
BL (0°-30°)	137.5	3.8	B1/500		
BM (30°-60°)	206.1	5.6	B0/220		
BH (60°-80°)	87.2	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4
2.5°	444.9	442.1	444.9	448.6	444.9	447.7	446.7	449.5	445.8	445.8	448.6
5°	415.9	420.6	422.4	427.1	431.8	440.2	445.8	445.8	451.4	454.2	458.0
7.5°	405.6	398.1	405.6	409.4	414.0	428.0	436.5	440.2	447.7	458.0	463.6
10°	390.7	396.3	396.3	408.4	415.0	423.4	438.3	441.1	458.0	468.2	473.8
12.5°	389.7	389.7	394.4	402.8	415.9	431.8	450.5	444.9	462.6	481.3	490.7
15°	392.5	399.1	399.1	410.3	420.6	443.0	458.9	459.8	485.1	503.7	512.2
17.5°	404.7	401.9	405.6	412.2	428.0	449.5	475.7	478.5	507.5	532.7	544.9
20°	429.9	434.6	429.0	425.2	431.8	459.8	493.5	499.1	531.8	556.1	568.2
22.5°	524.3	520.6	498.1	472.0	460.8	473.8	510.3	523.4	561.7	590.7	600.9
25°	630.9	624.3	598.1	558.9	507.5	501.9	543.9	543.9	599.1	630.9	628.0
27.5°	731.8	729.9	699.1	658.0	585.1	544.9	571.0	581.3	641.1	667.3	655.1
30°	834.6	836.5	808.4	758.9	682.3	614.0	609.4	617.8	672.9	714.0	688.8
32.5°	954.2	937.4	917.8	849.5	779.5	702.8	658.9	655.1	708.4	745.8	712.2
35°	1060.8	1050.5	1029.0	967.3	886.9	795.3	733.7	724.3	753.3	802.8	766.4
37.5°	1154.2	1143.9	1115.9	1074.8	1012.2	910.3	823.4	809.4	821.5	873.8	829.9
40°	1234.6	1237.4	1229.9	1189.7	1131.8	1039.3	939.3	916.8	906.6	953.3	903.8
42.5°	1292.5	1319.6	1321.5	1272.0	1225.3	1174.8	1062.6	1044.9	1020.6	1059.8	1025.2
45°	1414.0	1399.1	1408.4	1390.7	1339.3	1331.8	1204.7	1194.4	1160.8	1173.8	1137.4
47.5°	1509.4	1506.6	1524.3	1495.3	1481.3	1482.3	1366.4	1348.6	1301.0	1325.3	1284.1
50°	1564.5	1549.6	1614.0	1636.5	1633.7	1644.9	1529.9	1515.0	1469.2	1504.7	1416.8
52.5°	1577.6	1604.7	1665.4	1746.8	1781.3	1804.7	1708.4	1702.8	1653.3	1675.7	1554.2
55°	1610.3	1636.5	1672.0	1805.6	1933.7	1939.3	1884.1	1889.7	1845.8	1840.2	1685.1
57.5°	1609.4	1603.8	1701.9	1857.0	2034.6	2115.0	2085.1	2058.0	2010.3	1955.2	1769.2
60°	1550.5	1547.7	1649.6	1863.6	2089.8	2273.9	2286.0	2254.2	2134.6	2053.3	1868.3
62.5°	1433.7	1444.9	1547.7	1807.5	2142.1	2330.9	2375.7	2354.2	2205.6	2118.7	1985.1
65°	1300.0	1276.7	1396.3	1667.3	2024.3	2314.1	2411.3	2403.8	2289.8	2189.8	2092.6
67.5°	1043.0	1053.3	1144.9	1434.6	1823.4	2252.4	2494.4	2505.6	2357.0	2252.4	2125.3
70°	660.8	679.4	774.8	1036.5	1488.8	2058.0	2569.2	2601.9	2410.3	2246.8	2029.9
72.5°	192.5	200.0	329.9	516.8	948.6	1650.5	2449.6	2466.4	2306.6	2039.3	1570.1
75°	63.6	67.3	97.2	168.2	372.0	853.3	1809.4	1888.8	1835.5	1478.5	898.1
77.5°	42.1	43.9	53.3	80.4	141.1	267.3	970.1	1055.2	1034.6	692.5	289.7
80°	30.8	31.8	39.3	54.2	86.0	96.3	357.9	414.0	400.0	158.9	57.9
82.5°	19.6	19.6	29.0	38.3	54.2	47.7	103.7	115.0	112.2	60.7	22.4
85°	13.1	14.0	21.5	29.9	29.9	22.4	29.9	34.6	37.4	32.7	10.3
87.5°	3.7	4.7	12.1	20.6	12.1	11.2	10.3	11.2	13.1	17.8	5.6
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°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4
2.5°	451.4	455.1	454.2	456.1	453.3	450.5	453.3	453.3	453.3	450.5	448.6
5°	455.1	453.3	455.1	451.4	455.1	451.4	449.5	443.9	443.0	443.0	446.7
7.5°	460.8	462.6	454.2	454.2	445.8	447.7	443.0	443.9	442.1	439.3	437.4
10°	469.2	476.6	468.2	465.4	456.1	448.6	437.4	431.8	431.8	428.0	431.8
12.5°	492.5	489.7	485.1	475.7	464.5	449.5	422.4	395.3	372.9	356.1	364.5
15°	511.2	510.3	503.7	486.0	471.0	425.2	357.0	286.9	249.5	232.7	229.9
17.5°	540.2	537.4	526.2	502.8	453.3	352.3	244.9	186.0	149.5	141.1	138.3
20°	567.3	566.4	542.1	512.2	408.4	257.0	159.8	122.4	112.2	113.1	111.2
22.5°	596.3	591.6	562.6	500.9	325.2	171.0	114.0	109.3	105.6	104.7	106.5
25°	629.0	612.2	583.2	475.7	239.3	117.8	107.5	103.7	100.0	99.1	99.1
27.5°	642.1	630.9	592.5	415.0	151.4	102.8	100.9	96.3	91.6	88.8	87.9
30°	672.0	653.3	601.9	326.2	107.5	94.4	91.6	86.0	79.4	74.8	74.8
32.5°	701.9	679.4	602.8	228.0	89.7	85.0	80.4	72.9	64.5	59.8	60.7
35°	739.3	708.4	592.5	147.7	80.4	74.8	65.4	57.0	49.5	45.8	45.8
37.5°	802.8	773.8	550.5	97.2	72.9	63.6	54.2	44.9	38.3	35.5	35.5
40°	883.2	845.8	492.5	76.6	64.5	54.2	43.0	34.6	30.8	28.0	28.0
42.5°	979.5	932.7	406.5	68.2	57.0	44.9	33.6	27.1	23.4	23.4	22.4
45°	1075.7	999.1	318.7	62.6	50.5	37.4	26.2	21.5	19.6	18.7	18.7
47.5°	1213.1	1079.5	228.0	57.0	43.9	29.0	21.5	17.8	15.9	15.0	15.9
50°	1344.9	1155.2	161.7	51.4	36.4	23.4	17.8	15.9	14.0	13.1	13.1
52.5°	1460.8	1207.5	113.1	44.9	30.8	19.6	15.9	14.0	13.1	12.1	12.1
55°	1524.3	1189.7	77.6	38.3	25.2	16.8	14.0	12.1	11.2	10.3	10.3
57.5°	1589.7	1140.2	58.9	31.8	20.6	15.9	13.1	11.2	10.3	9.3	9.3
60°	1644.9	1103.8	45.8	25.2	16.8	13.1	11.2	9.3	8.4	7.5	6.5
62.5°	1647.7	1030.9	33.6	18.7	13.1	11.2	9.3	7.5	4.7	3.7	2.8
65°	1658.9	954.2	24.3	14.0	9.3	8.4	6.5	3.7	1.9	0.0	0.0
67.5°	1619.6	863.6	19.6	10.3	6.5	4.7	2.8	0.9	0.0	0.0	0.0
70°	1459.8	729.0	15.0	7.5	4.7	2.8	0.9	0.0	0.0	0.0	0.0
72.5°	1044.9	473.8	10.3	5.6	1.9	0.9	0.0	0.0	0.0	0.0	0.0
75°	557.0	201.9	7.5	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	174.8	51.4	4.7	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	38.3	14.0	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.1	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.7	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.9	0.9	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)