

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: P147208

Luminaire Tested: **VXS-E06-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147208
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E06-LED-E1-5MQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16325 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 150.5
Input Voltage (V): NR
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

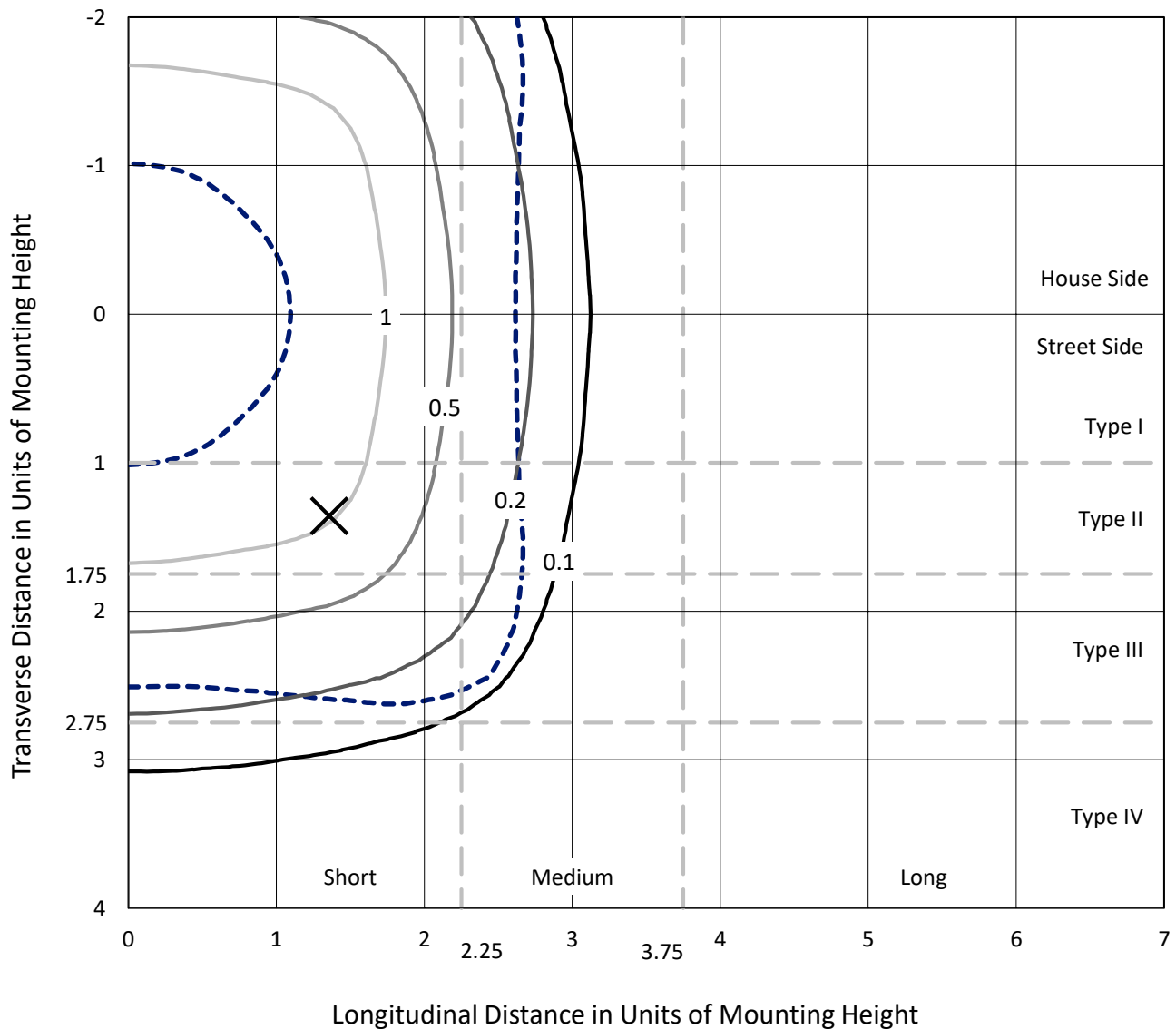


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

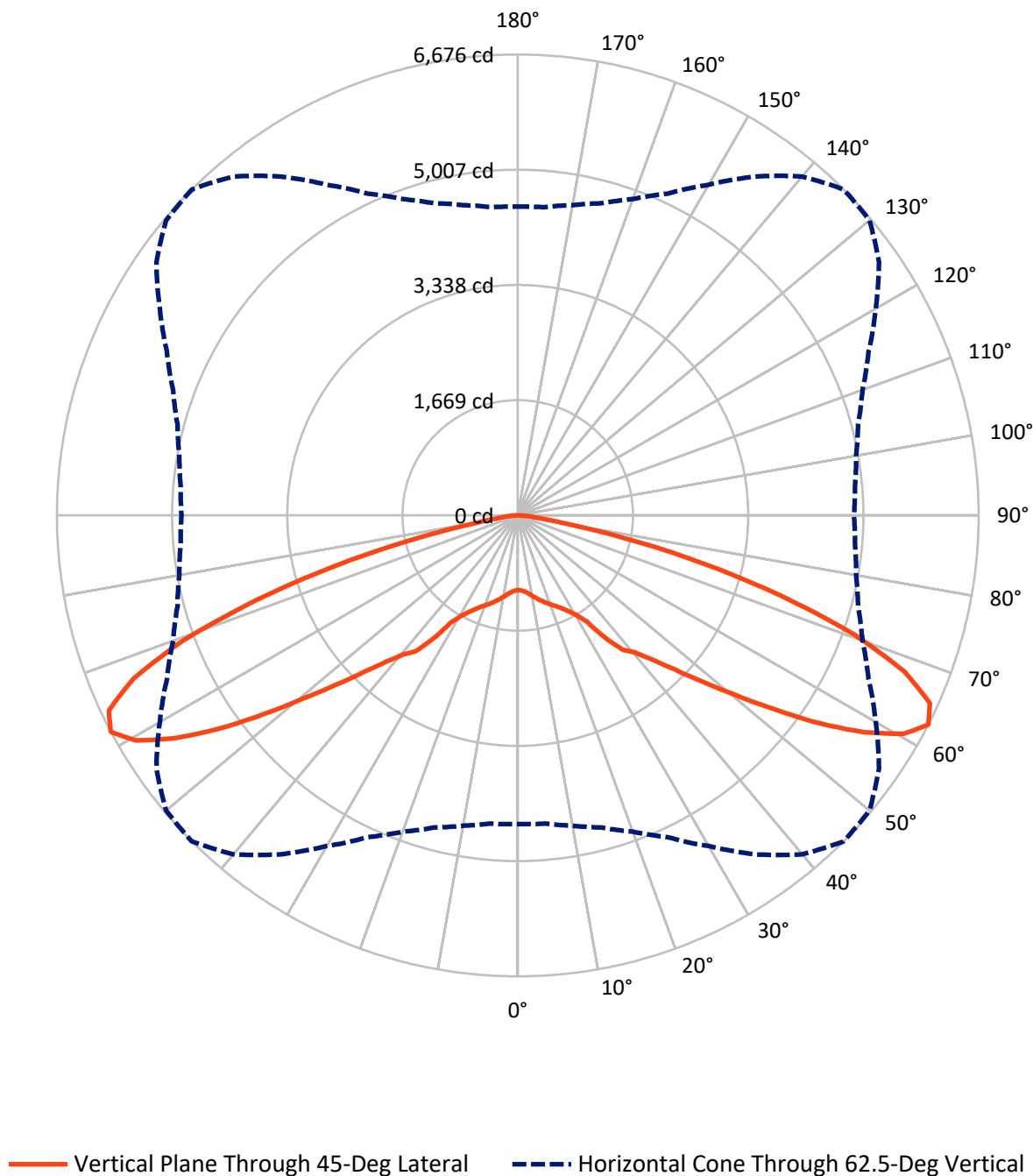


Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8162.5	0.0	8162.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8162.5	0.0	8162.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16325.0	0.0	16325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	0.7
10°-20°	367.1	2.2
20°-30°	709.8	4.3
30°-40°	1374.3	8.4
40°-50°	2481.4	15.2
50°-60°	4314.8	26.4
60°-70°	4898.5	30.0
70°-80°	1899.1	11.6
80°-90°	171.3	1.0
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°	16325.0	100.0
0°-180°	16325.0	100.0

Coefficient of Utilization



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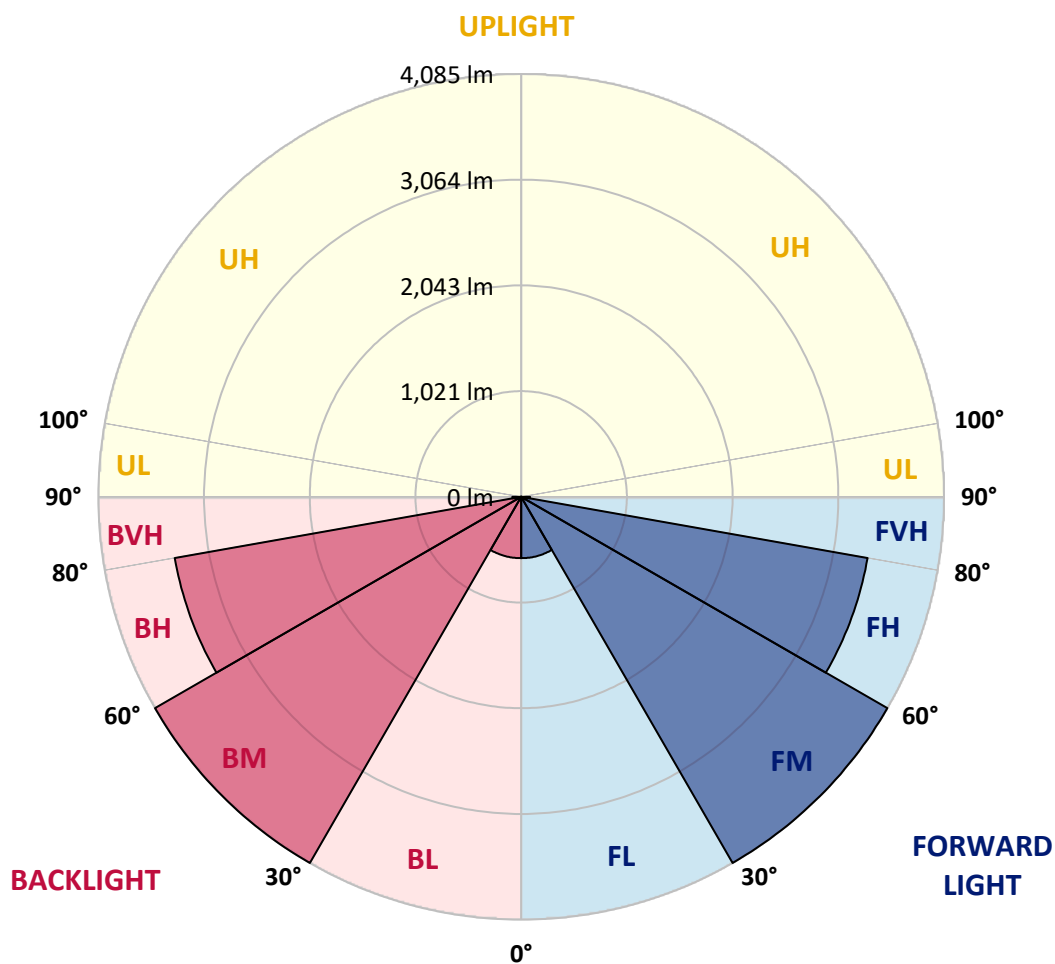
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	592.7	3.6			
FM	(30°-60°)	4085.3	25.0			
FH	(60°-80°)	3398.8	20.8			G2/5000
FVH	(80°-90°)	85.7	0.5			G1/100
BL	(0°-30°)	592.7	3.6	B2/1000		
BM	(30°-60°)	4085.3	25.0	B3/5000		
BH	(60°-80°)	3398.8	20.8	B4/5000		G2/5000
BVH	(80°-90°)	85.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7
2.5°	1090.4	1093.9	1093.1	1091.3	1091.3	1091.2	1090.4	1087.9	1087.0	1088.7	1090.5
5°	1115.8	1115.8	1115.8	1115.8	1114.0	1114.1	1112.3	1110.7	1111.5	1109.8	1109.0
7.5°	1154.6	1152.1	1152.1	1151.2	1151.3	1149.5	1146.9	1143.6	1144.5	1143.6	1142.8
10°	1200.2	1200.9	1198.5	1201.0	1196.8	1196.0	1192.5	1190.9	1190.1	1187.5	1187.5
12.5°	1255.0	1252.4	1252.4	1250.8	1249.1	1247.5	1242.3	1241.5	1238.1	1236.5	1234.0
15°	1306.5	1305.6	1302.3	1298.9	1298.0	1296.4	1290.5	1287.0	1286.2	1282.1	1278.7
17.5°	1357.9	1356.3	1352.1	1350.5	1347.0	1344.5	1339.4	1334.3	1331.8	1330.2	1325.9
20°	1412.8	1411.2	1406.8	1403.5	1399.4	1396.0	1388.4	1384.1	1381.6	1379.1	1375.8
22.5°	1481.2	1477.8	1471.1	1465.2	1455.9	1452.4	1442.4	1436.5	1432.2	1428.8	1427.2
25°	1555.5	1556.3	1547.0	1539.5	1528.5	1519.2	1506.5	1499.7	1495.5	1492.2	1491.4
27.5°	1648.3	1649.1	1640.7	1629.7	1612.8	1602.7	1585.9	1577.4	1574.9	1571.5	1570.7
30°	1795.1	1787.6	1773.3	1755.4	1740.3	1718.3	1693.9	1685.4	1677.0	1674.5	1674.4
32.5°	2065.3	2061.0	2049.1	2005.3	1985.1	1939.5	1896.5	1871.9	1844.1	1830.7	1822.2
35°	2254.3	2252.6	2243.3	2228.1	2215.5	2206.2	2180.9	2176.6	2171.6	2171.6	2178.3
37.5°	2393.6	2383.4	2381.8	2384.2	2380.9	2382.6	2402.9	2430.7	2454.3	2466.2	2464.5
40°	2599.5	2585.1	2593.6	2587.7	2580.1	2578.4	2585.1	2596.2	2607.0	2607.0	2604.6
42.5°	2868.7	2875.5	2878.9	2854.3	2838.3	2834.1	2850.2	2846.7	2857.8	2853.6	2842.6
45°	3268.8	3264.6	3258.7	3229.1	3203.8	3183.5	3187.8	3181.8	3182.6	3176.0	3167.5
47.5°	3672.2	3686.6	3662.1	3647.7	3619.1	3604.7	3616.5	3606.4	3625.7	3590.3	3573.5
50°	4063.8	4074.0	4065.5	4045.3	4045.3	4065.5	4079.8	4098.4	4125.4	4085.0	4024.1
52.5°	4384.6	4393.0	4405.6	4422.5	4463.8	4506.9	4567.7	4632.7	4684.1	4676.5	4607.3
55°	4580.3	4590.5	4611.6	4669.8	4744.0	4857.2	4994.7	5145.8	5264.0	5321.5	5270.7
57.5°	4646.1	4653.8	4711.1	4781.1	4896.9	5064.8	5295.1	5556.1	5783.0	5927.4	5904.6
60°	4631.0	4631.0	4689.2	4785.5	4947.5	5170.3	5496.1	5857.3	6205.0	6421.0	6389.0
62.5°	4471.5	4479.9	4563.5	4679.1	4874.8	5141.6	5529.8	5991.5	6407.6	6676.0	6649.7
65°	4122.1	4128.0	4218.2	4355.9	4574.5	4890.2	5314.6	5826.1	6303.0	6561.2	6512.2
67.5°	3557.4	3563.3	3636.8	3792.0	4023.3	4353.4	4811.6	5374.6	5841.2	6045.5	5898.7
70°	2829.9	2846.8	2894.1	3058.7	3234.2	3557.4	3979.4	4542.4	4982.9	5176.2	5014.1
72.5°	1928.5	1971.6	2029.0	2175.0	2342.9	2611.3	2947.2	3421.6	3775.1	3998.8	3854.5
75°	1086.2	1146.9	1164.8	1275.2	1413.7	1625.5	1871.1	2211.2	2568.3	2749.7	2575.9
77.5°	469.2	519.1	540.9	592.5	700.5	789.1	938.4	1168.1	1444.1	1571.5	1363.1
80°	231.3	243.1	252.3	268.4	298.9	327.5	398.3	498.9	611.9	640.6	509.7
82.5°	179.0	187.4	203.4	216.1	223.6	231.3	237.9	251.5	262.5	268.4	253.3
85°	125.8	136.8	154.4	168.8	177.2	183.2	189.0	193.3	183.2	167.0	175.5
87.5°	33.0	43.1	59.9	65.0	73.4	77.6	76.0	78.5	70.9	51.5	57.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7
2.5°	1089.5	1088.7	1089.5	1089.5	1089.5	1088.7	1088.7	1088.7
5°	1109.0	1109.0	1109.8	1108.2	1108.2	1109.0	1108.2	1107.4
7.5°	1142.0	1141.1	1141.0	1140.2	1141.0	1140.2	1140.3	1139.4
10°	1185.8	1184.1	1185.0	1182.4	1182.4	1181.6	1181.6	1181.6
12.5°	1233.2	1230.6	1231.4	1228.8	1224.7	1225.5	1226.3	1225.5
15°	1278.7	1276.1	1273.7	1271.9	1269.3	1270.3	1270.3	1269.3
17.5°	1325.1	1320.0	1319.2	1316.7	1315.8	1315.9	1315.8	1316.6
20°	1373.2	1369.7	1369.0	1366.4	1365.6	1368.1	1368.9	1367.3
22.5°	1424.7	1423.0	1424.7	1423.0	1425.5	1427.2	1428.1	1426.3
25°	1489.6	1488.0	1490.6	1496.4	1499.8	1501.5	1505.7	1504.0
27.5°	1573.3	1571.5	1577.4	1585.9	1590.9	1599.4	1603.5	1605.3
30°	1681.2	1688.9	1692.2	1709.0	1712.5	1726.0	1726.0	1731.9
32.5°	1838.1	1852.5	1877.9	1904.0	1940.3	1966.4	1966.5	1980.0
35°	2182.6	2188.4	2207.9	2212.1	2219.7	2228.2	2219.7	2226.4
37.5°	2446.7	2420.5	2402.1	2375.9	2359.8	2359.8	2361.5	2359.8
40°	2581.8	2571.6	2563.2	2541.2	2537.8	2537.0	2537.0	2540.4
42.5°	2823.1	2798.7	2785.2	2766.6	2760.7	2759.0	2758.1	2759.9
45°	3137.1	3097.4	3061.1	3042.6	3026.5	3011.4	3016.4	3016.4
47.5°	3502.6	3441.0	3381.9	3349.8	3321.9	3309.3	3300.9	3298.3
50°	3947.4	3861.2	3785.3	3725.4	3684.9	3683.9	3688.3	3661.2
52.5°	4492.6	4356.7	4262.2	4181.1	4143.2	4138.9	4125.4	4110.3
55°	5096.9	4935.6	4779.5	4692.6	4642.8	4615.8	4599.8	4574.4
57.5°	5719.7	5502.8	5278.3	5139.1	5051.2	4990.5	4958.4	4944.1
60°	6200.0	5903.7	5607.5	5383.8	5237.7	5147.5	5091.8	5069.0
62.5°	6389.0	5987.3	5607.5	5313.8	5102.8	4977.8	4902.8	4869.8
65°	6163.6	5687.7	5255.5	4931.4	4696.0	4556.7	4474.8	4439.4
67.5°	5534.1	5113.8	4643.6	4321.2	4079.0	3941.3	3852.8	3826.6
70°	4639.4	4209.8	3760.8	3473.0	3257.0	3144.7	3052.7	3041.8
72.5°	3486.5	3116.1	2731.2	2493.2	2319.3	2133.7	2086.3	2109.9
75°	2234.9	1888.0	1545.4	1331.0	1172.3	995.0	926.6	943.6
77.5°	1058.3	819.5	591.6	457.4	384.0	328.3	314.0	305.5
80°	392.4	318.1	281.0	266.7	256.6	247.3	240.5	233.0
82.5°	254.1	248.1	240.5	237.9	230.4	218.7	196.7	187.4
85°	189.8	189.8	179.8	180.5	174.7	159.6	139.3	128.3
87.5°	55.8	49.7	45.6	42.2	41.3	37.1	27.0	23.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)