

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: P147210

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147210
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
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19342.7 lumens
Efficiency: N/A
Efficacy: 128.5 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

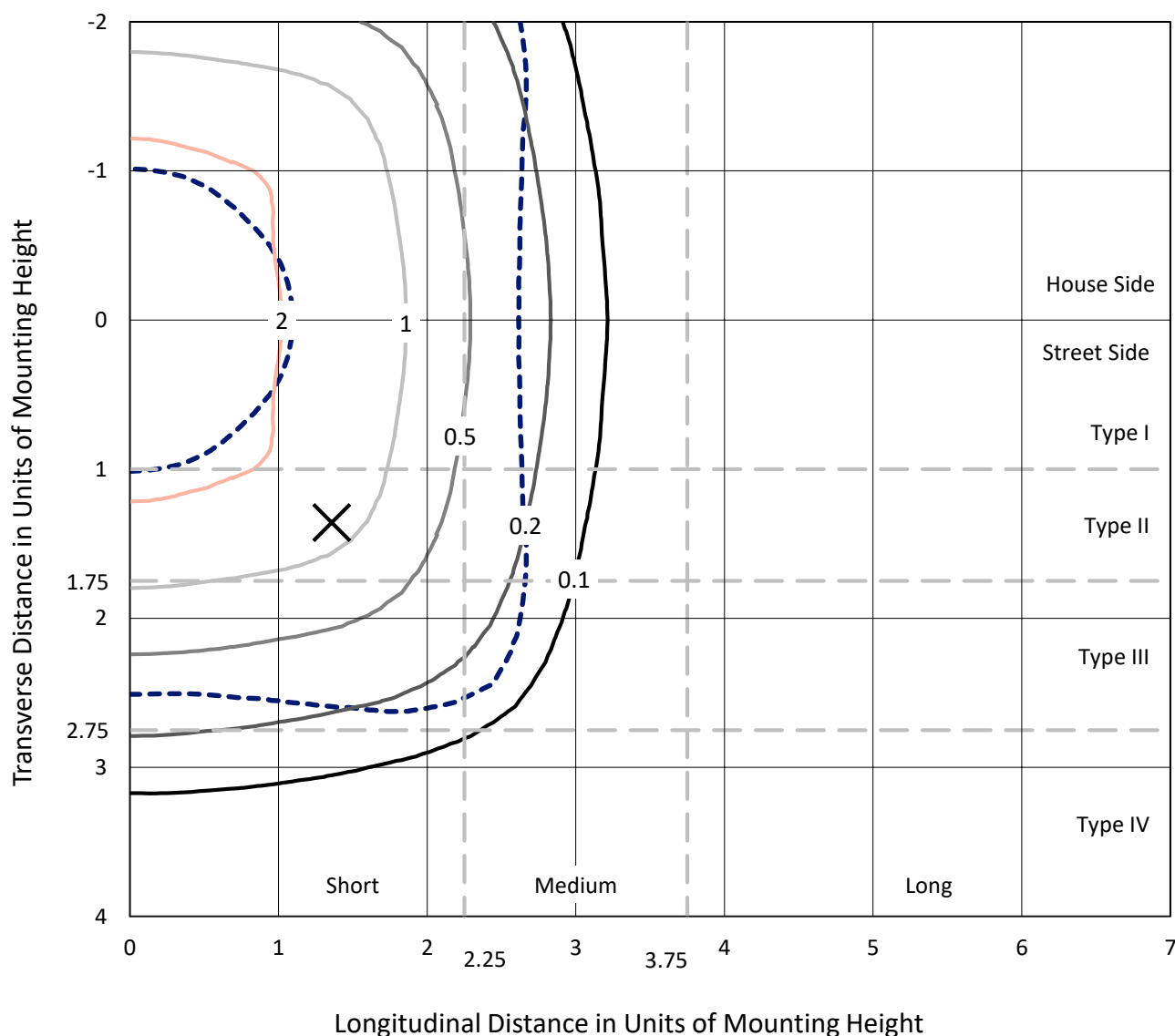


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

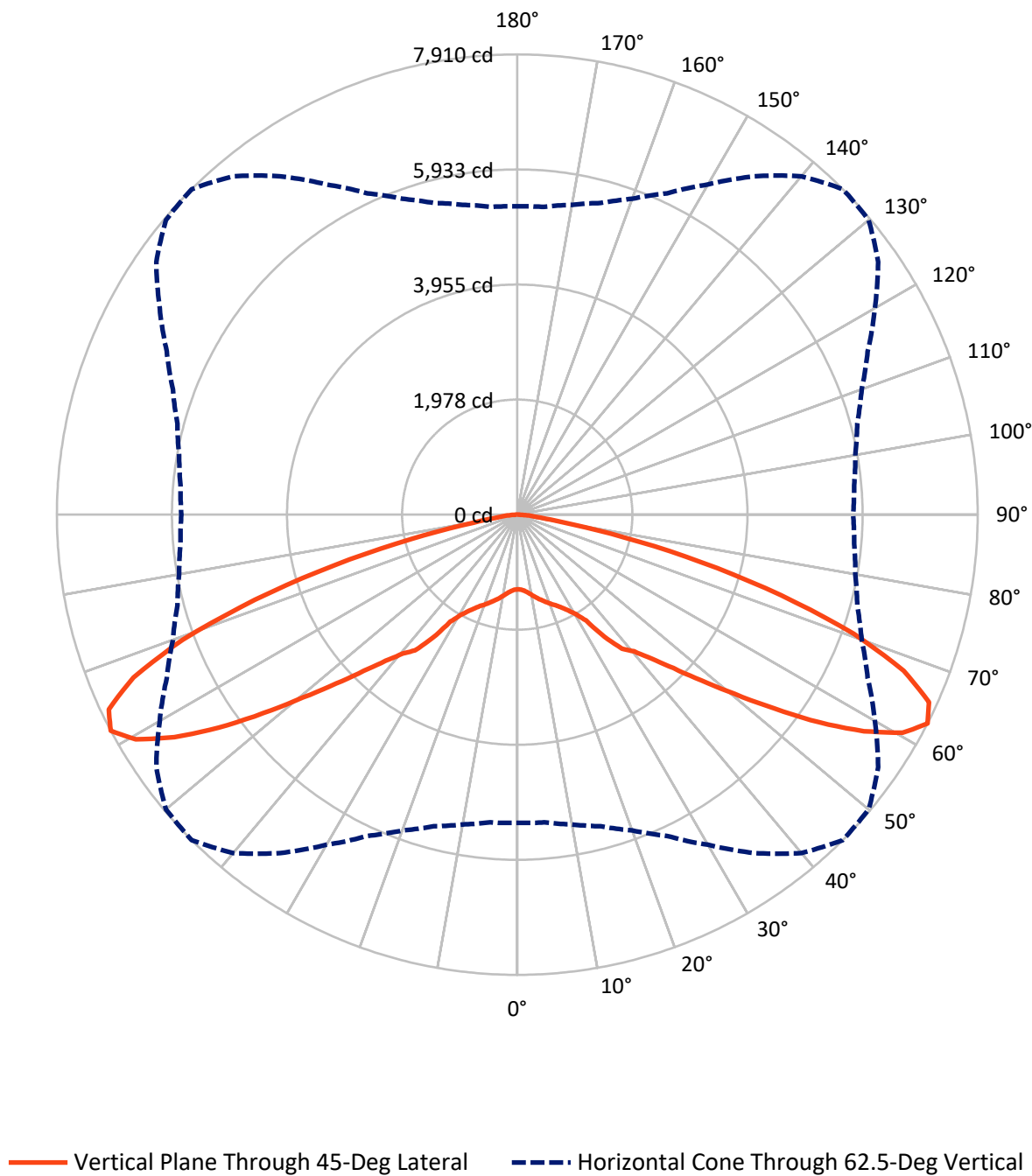


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9671.3	0.0	9671.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9671.3	0.0	9671.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	19342.7	0.0	19342.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	0.7
10°-20°	435.0	2.2
20°-30°	841.0	4.3
30°-40°	1628.3	8.4
40°-50°	2940.1	15.2
50°-60°	5112.4	26.4
60°-70°	5803.9	30.0
70°-80°	2250.2	11.6
80°-90°	203.0	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°	19342.7	100.0
0°-180°	19342.7	100.0

Coefficient of Utilization



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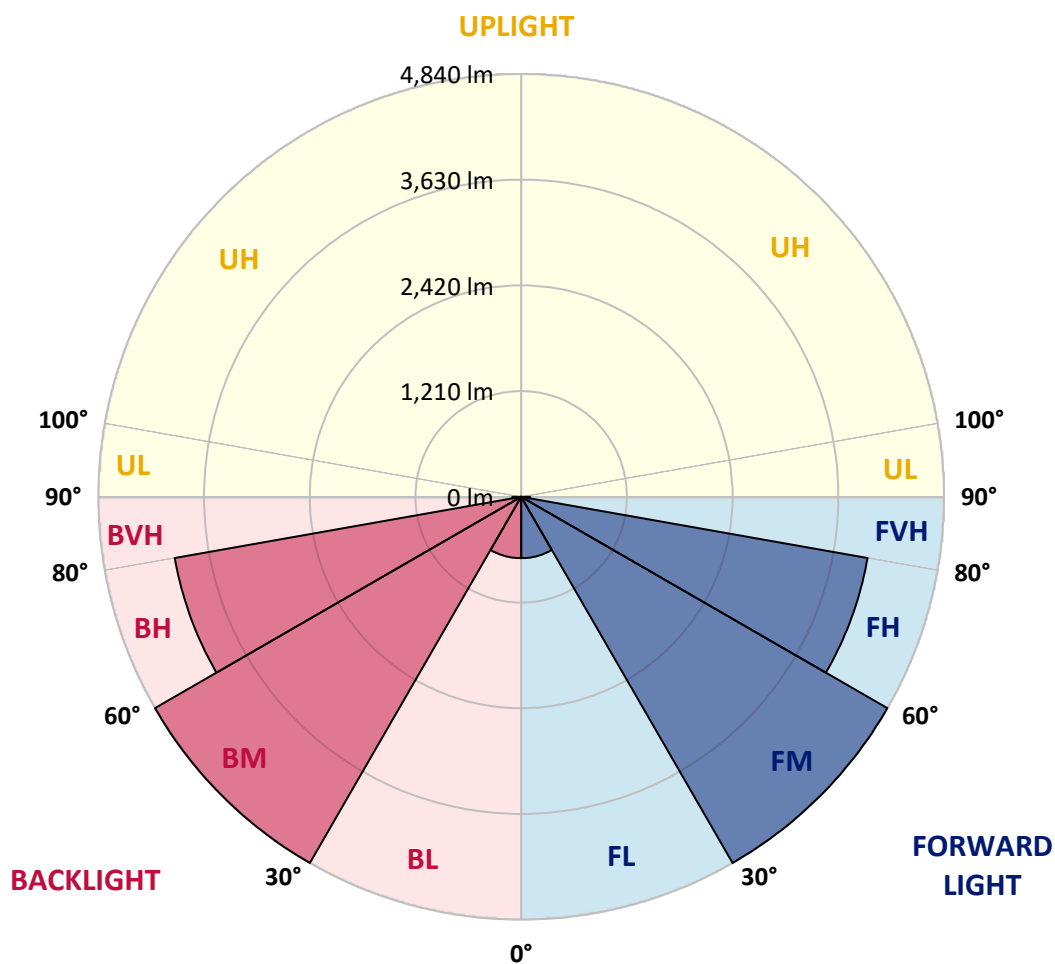
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	702.3	3.6			
FM	(30°-60°)	4840.5	25.0			
FH	(60°-80°)	4027.1	20.8			G2/5000
FVH	(80°-90°)	101.5	0.5			G2/225
BL	(0°-30°)	702.3	3.6	B2/1000		
BM	(30°-60°)	4840.5	25.0	B3/5000		
BH	(60°-80°)	4027.1	20.8	B4/5000		G2/5000
BVH	(80°-90°)	101.5	0.5			G2/225
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°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
2.5°	1292.0	1296.0	1294.9	1293.0	1293.0	1293.1	1292.0	1289.0	1288.1	1289.9	1292.0
5°	1322.1	1322.1	1322.1	1322.1	1320.0	1320.0	1317.9	1316.0	1317.0	1314.9	1314.0
7.5°	1368.1	1365.0	1365.0	1363.9	1364.0	1362.0	1359.0	1355.0	1356.1	1355.0	1354.0
10°	1422.0	1423.0	1420.0	1423.0	1418.0	1417.0	1413.1	1411.0	1409.9	1407.0	1407.0
12.5°	1487.0	1484.0	1484.0	1482.0	1480.0	1477.9	1472.0	1471.0	1466.9	1465.1	1462.1
15°	1548.0	1546.9	1543.0	1539.0	1538.0	1536.0	1529.0	1525.0	1523.9	1519.0	1514.9
17.5°	1608.9	1607.0	1602.0	1600.0	1596.1	1593.0	1586.9	1580.9	1578.0	1576.0	1571.0
20°	1674.0	1671.9	1666.9	1663.0	1658.0	1654.0	1645.0	1640.0	1637.0	1634.0	1630.1
22.5°	1755.0	1751.0	1743.0	1736.0	1725.0	1721.0	1709.0	1702.0	1697.0	1693.1	1691.0
25°	1843.0	1843.9	1833.0	1824.0	1811.0	1800.0	1785.1	1777.0	1772.0	1768.0	1767.0
27.5°	1953.0	1954.0	1944.0	1931.0	1911.0	1899.1	1879.0	1869.0	1866.0	1862.0	1860.9
30°	2127.0	2118.0	2100.9	2080.0	2062.0	2036.1	2007.0	1997.0	1986.9	1984.0	1984.0
32.5°	2447.0	2442.0	2428.0	2376.0	2352.0	2298.0	2247.0	2218.0	2185.0	2168.9	2159.0
35°	2671.0	2669.0	2658.0	2640.0	2625.0	2614.1	2584.0	2579.1	2573.1	2573.1	2580.9
37.5°	2836.0	2824.0	2822.0	2825.0	2820.9	2823.0	2847.0	2880.0	2908.0	2922.0	2920.0
40°	3080.0	3063.0	3073.0	3065.9	3057.0	3055.0	3063.0	3076.1	3089.0	3089.0	3086.0
42.5°	3399.0	3407.0	3411.0	3382.0	3363.0	3357.9	3377.0	3373.1	3386.0	3381.0	3368.1
45°	3873.0	3868.0	3861.0	3826.0	3796.1	3772.0	3777.0	3769.9	3771.0	3763.0	3753.0
47.5°	4351.1	4368.0	4339.1	4322.0	4288.0	4271.0	4285.0	4273.0	4296.0	4254.0	4234.0
50°	4815.0	4826.9	4817.0	4793.0	4793.0	4817.0	4834.0	4856.0	4888.0	4840.0	4768.1
52.5°	5195.0	5205.0	5220.0	5240.0	5289.0	5340.0	5412.0	5489.0	5550.1	5541.0	5459.1
55°	5426.9	5439.0	5464.0	5533.1	5620.9	5755.0	5917.9	6097.0	6237.0	6305.1	6245.0
57.5°	5505.1	5514.0	5582.0	5665.1	5802.1	6001.0	6274.0	6583.0	6852.0	7023.0	6996.1
60°	5487.0	5487.0	5556.0	5670.1	5862.0	6126.0	6511.9	6940.0	7352.0	7608.0	7569.9
62.5°	5298.0	5308.0	5407.0	5544.0	5776.0	6092.0	6551.9	7099.1	7592.0	7910.1	7879.0
65°	4884.0	4891.0	4997.9	5161.0	5420.0	5794.0	6297.0	6903.0	7468.0	7774.0	7716.1
67.5°	4215.0	4222.0	4309.0	4493.1	4767.0	5157.9	5701.0	6368.1	6921.0	7163.0	6989.0
70°	3353.0	3373.1	3429.0	3624.0	3831.9	4214.9	4715.0	5382.0	5904.0	6133.1	5940.9
72.5°	2285.0	2336.0	2404.0	2577.0	2776.0	3094.1	3492.0	4054.0	4473.0	4738.0	4567.0
75°	1287.0	1359.0	1380.0	1511.0	1675.0	1926.0	2217.0	2620.0	3043.0	3258.0	3052.0
77.5°	556.1	615.0	641.0	702.0	830.1	934.9	1111.9	1384.0	1711.0	1862.0	1615.0
80°	274.0	288.0	299.0	317.9	354.0	388.0	472.0	591.0	725.0	759.0	603.9
82.5°	212.0	222.0	241.0	256.0	265.1	274.0	282.1	298.0	311.1	318.0	300.0
85°	149.0	162.1	183.0	200.0	209.9	217.0	224.0	229.0	217.0	197.9	208.1
87.5°	39.0	51.0	71.1	77.0	87.0	92.0	90.1	93.1	83.9	61.0	68.0
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°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
2.5°	1291.0	1289.9	1291.0	1291.0	1291.0	1289.9	1289.9	1289.9
5°	1314.0	1314.0	1314.9	1313.1	1313.0	1314.0	1313.0	1312.0
7.5°	1353.0	1352.0	1351.9	1351.0	1352.0	1351.0	1351.0	1350.1
10°	1405.0	1403.0	1403.9	1400.9	1401.0	1400.0	1400.0	1400.0
12.5°	1460.9	1458.0	1459.1	1456.0	1451.0	1452.0	1453.1	1452.0
15°	1515.0	1512.0	1509.0	1507.0	1504.0	1505.1	1505.0	1504.0
17.5°	1569.9	1563.9	1563.0	1560.0	1559.0	1559.0	1559.0	1560.0
20°	1627.0	1623.0	1622.0	1619.1	1618.0	1620.9	1622.0	1620.0
22.5°	1688.0	1686.0	1688.0	1686.0	1689.0	1691.0	1692.0	1689.9
25°	1765.0	1763.0	1766.0	1773.1	1777.0	1779.1	1784.0	1782.0
27.5°	1864.0	1862.0	1869.0	1879.0	1885.0	1895.0	1900.0	1902.0
30°	1991.9	2001.0	2005.0	2025.0	2029.0	2045.0	2045.0	2052.0
32.5°	2178.0	2195.0	2225.0	2256.0	2299.0	2329.9	2329.9	2346.0
35°	2586.0	2593.0	2616.0	2620.9	2630.1	2640.0	2630.1	2638.0
37.5°	2899.0	2868.0	2846.0	2815.0	2796.1	2796.1	2798.0	2796.0
40°	3059.1	3047.0	3037.0	3011.0	3007.0	3006.0	3006.0	3009.9
42.5°	3345.1	3316.1	3300.0	3277.9	3271.0	3269.0	3268.0	3269.9
45°	3717.0	3670.1	3626.9	3605.0	3586.0	3568.0	3574.1	3574.0
47.5°	4150.1	4077.0	4007.0	3969.0	3936.0	3921.0	3911.1	3908.0
50°	4677.0	4574.9	4485.0	4414.0	4366.0	4365.0	4369.9	4338.0
52.5°	5323.0	5162.0	5049.9	4954.0	4909.0	4904.0	4888.0	4870.1
55°	6039.0	5848.1	5663.0	5560.0	5501.0	5469.0	5449.9	5420.0
57.5°	6777.0	6520.0	6254.1	6088.9	5985.0	5913.0	5875.0	5858.0
60°	7346.0	6995.0	6644.0	6379.1	6206.0	6099.1	6033.0	6006.0
62.5°	7569.9	7094.0	6644.0	6296.0	6046.0	5898.0	5808.9	5769.9
65°	7303.0	6739.1	6226.9	5843.0	5564.0	5399.0	5302.0	5260.0
67.5°	6557.0	6059.1	5502.1	5120.0	4833.0	4669.9	4565.0	4534.0
70°	5497.0	4988.0	4456.0	4115.0	3859.1	3726.0	3617.0	3604.0
72.5°	4131.0	3692.0	3236.0	2954.0	2748.0	2528.0	2472.0	2500.0
75°	2648.0	2237.0	1831.0	1577.0	1389.0	1179.1	1098.0	1118.0
77.5°	1254.0	971.0	700.9	542.0	455.0	389.0	372.0	362.0
80°	465.1	377.0	333.1	316.1	304.0	293.1	285.0	276.0
82.5°	301.0	294.0	285.0	282.1	273.0	259.1	233.0	222.0
85°	225.1	225.1	213.1	214.1	207.0	189.0	165.0	152.0
87.5°	66.0	59.1	54.0	49.9	49.0	43.9	32.0	28.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)