

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: P180106

Luminaire Tested: **ICM-E06-LED-E1-5WQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180106
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E06-LED-E1-5WQ-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14997.8 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

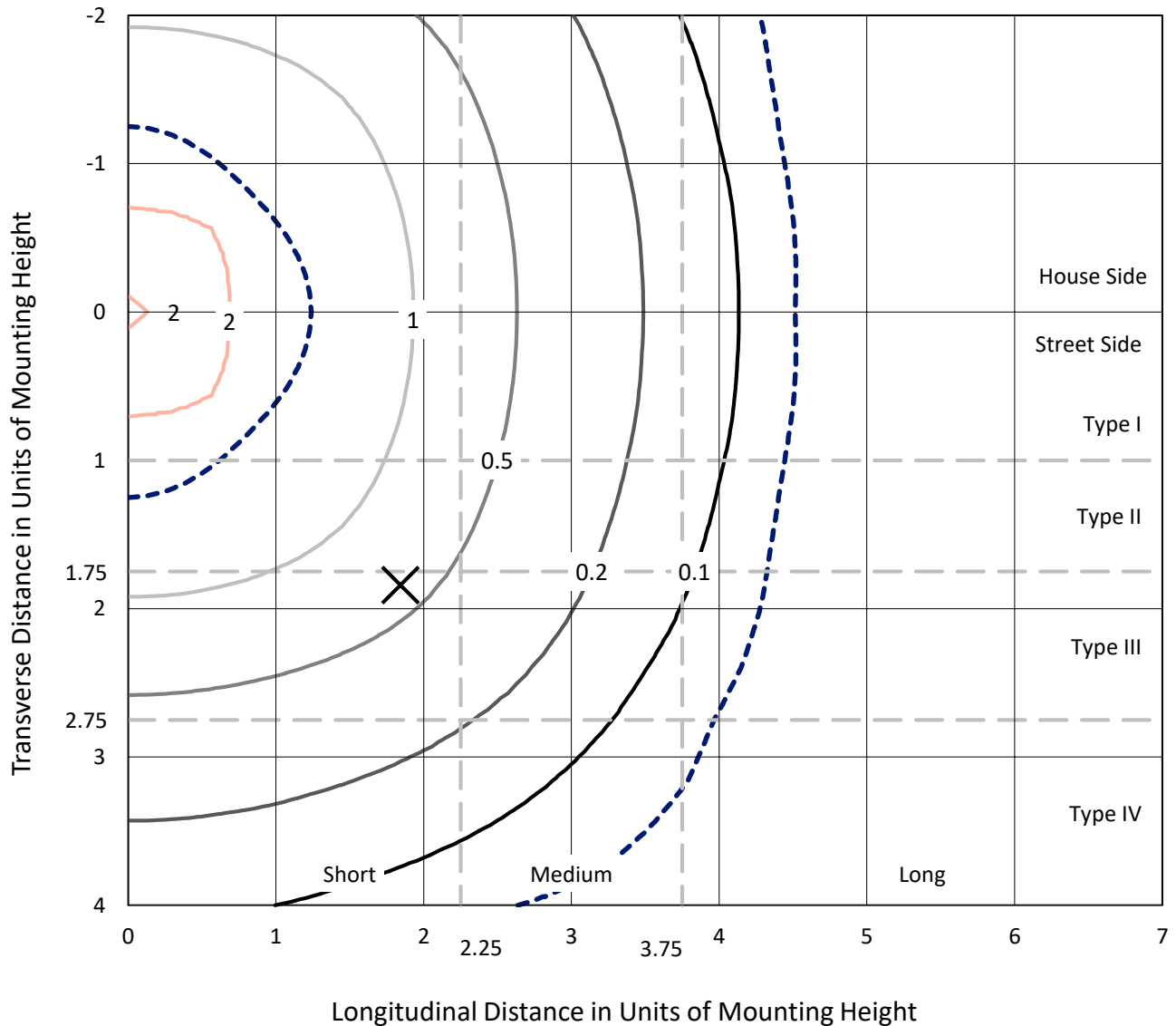
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

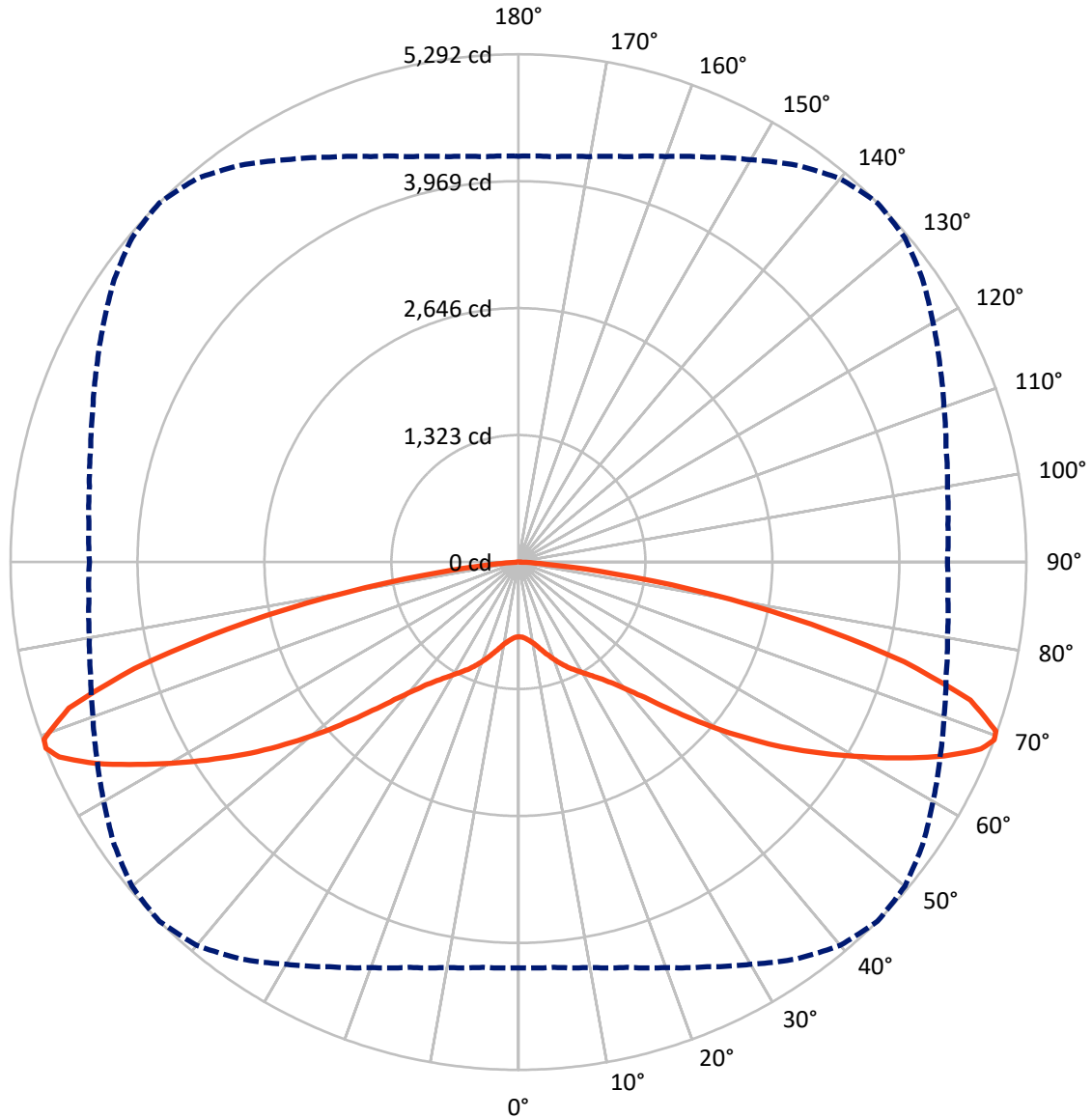
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7498.9	0.0	7498.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7498.9	0.0	7498.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14997.8	0.0	14997.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	0.5
10°-20°	276.2	1.8
20°-30°	559.2	3.7
30°-40°	937.5	6.3
40°-50°	1653.7	11.0
50°-60°	2916.2	19.4
60°-70°	4452.2	29.7
70°-80°	3720.3	24.8
80°-90°	404.3	2.7
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°	14997.8	100.0
0°-180°	14997.8	100.0



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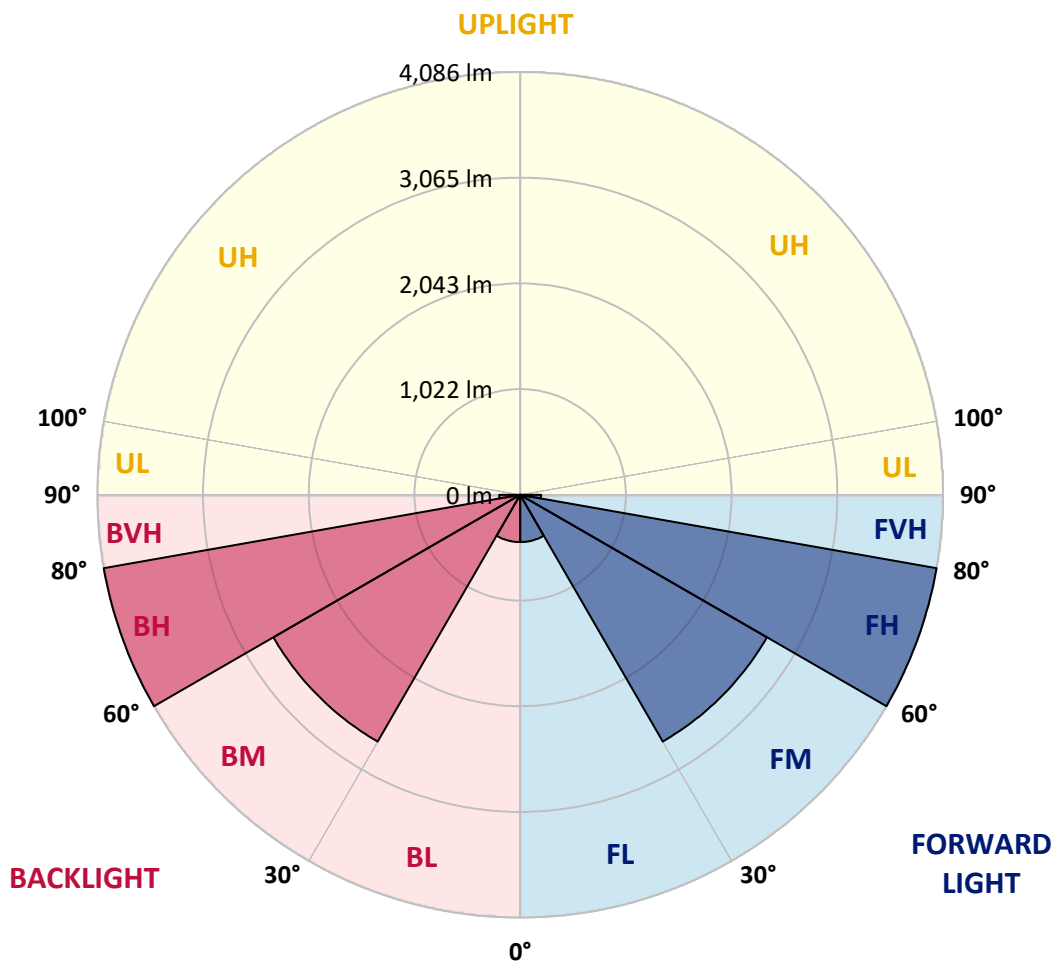
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	456.8	3.0			
FM	(30°-60°)	2753.7	18.4			
FH	(60°-80°)	4086.3	27.2			G2/5000
FVH	(80°-90°)	202.1	1.3			G2/225
BL	(0°-30°)	456.8	3.0	B1/500		
BM	(30°-60°)	2753.7	18.4	B3/5000		
BH	(60°-80°)	4086.3	27.2	B4/5000		G2/5000
BVH	(80°-90°)	202.1	1.3			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°	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8
2.5°	785.1	786.7	785.1	785.1	785.1	785.1	785.1	783.5	783.5	783.5	785.1
5°	800.8	802.4	800.8	802.4	802.4	802.4	802.4	800.8	800.8	800.8	800.8
7.5°	826.0	826.0	826.0	827.5	826.0	826.0	827.5	826.0	826.0	826.0	826.0
10°	862.1	860.5	860.5	860.5	860.5	860.5	862.1	862.1	862.1	860.5	860.5
12.5°	906.1	904.5	906.1	906.1	907.6	907.6	907.6	907.6	907.6	907.6	906.1
15°	959.4	959.4	959.4	960.9	964.1	964.1	962.5	964.1	964.1	964.1	964.1
17.5°	1019.1	1022.2	1019.1	1020.7	1022.2	1020.7	1023.8	1025.4	1026.9	1025.4	1020.7
20°	1080.3	1081.9	1081.9	1081.9	1081.9	1085.0	1086.6	1086.6	1091.3	1089.8	1088.2
22.5°	1138.4	1141.6	1141.6	1143.2	1143.2	1147.8	1147.8	1147.8	1151.0	1154.1	1151.0
25°	1199.6	1198.1	1198.1	1201.2	1202.8	1209.0	1209.0	1212.2	1216.9	1218.5	1215.4
27.5°	1254.6	1253.0	1253.0	1257.8	1259.4	1267.2	1267.2	1273.5	1276.6	1278.1	1275.0
30°	1312.8	1312.8	1311.2	1315.8	1320.6	1326.8	1330.0	1336.3	1340.9	1342.5	1339.4
32.5°	1381.8	1378.6	1380.2	1383.4	1386.5	1392.8	1397.5	1405.3	1411.6	1413.2	1410.1
35°	1460.3	1455.6	1457.1	1460.3	1465.0	1474.4	1482.3	1487.0	1496.4	1499.5	1493.3
37.5°	1546.7	1548.3	1546.7	1554.5	1562.3	1573.4	1582.8	1589.0	1598.5	1603.2	1598.5
40°	1669.1	1664.5	1669.1	1677.0	1689.6	1703.7	1722.5	1727.3	1736.7	1746.1	1735.1
42.5°	1827.7	1824.6	1835.6	1841.9	1856.0	1871.7	1895.3	1907.8	1922.0	1928.2	1918.8
45°	2035.0	2035.0	2047.5	2049.1	2071.1	2091.5	2124.5	2140.2	2166.9	2166.9	2166.9
47.5°	2264.3	2273.7	2281.5	2297.2	2312.9	2350.6	2383.6	2418.2	2443.3	2446.4	2441.7
50°	2501.4	2510.8	2534.3	2556.3	2590.9	2638.0	2674.1	2719.6	2741.6	2760.5	2754.2
52.5°	2763.6	2765.1	2793.4	2821.7	2871.9	2923.7	2981.9	3028.9	3068.2	3085.5	3071.4
55°	3050.9	3054.1	3079.2	3109.0	3165.6	3225.2	3297.5	3346.2	3396.4	3427.8	3404.2
57.5°	3361.9	3363.5	3388.6	3424.7	3492.2	3551.8	3621.0	3690.1	3737.1	3765.4	3749.7
60°	3705.7	3713.6	3732.4	3778.0	3842.3	3905.1	3974.3	4035.5	4090.4	4120.3	4104.6
62.5°	4073.1	4081.0	4107.7	4143.8	4200.4	4269.4	4335.4	4413.9	4459.5	4492.4	4468.9
65°	4319.7	4333.8	4376.2	4424.9	4508.1	4597.6	4674.5	4781.3	4836.3	4875.6	4853.6
67.5°	4335.4	4343.3	4395.1	4468.9	4580.3	4715.4	4872.4	5038.8	5147.2	5199.0	5161.3
69°	4228.6	4239.7	4289.9	4373.1	4497.1	4654.2	4841.0	5048.3	5214.7	5291.7	5255.6
70°	4107.7	4131.3	4186.3	4277.3	4398.2	4563.1	4756.2	4977.6	5172.3	5277.5	5250.8
72.5°	3853.3	3859.7	3895.7	3967.9	4060.6	4197.2	4379.4	4588.2	4773.5	4924.2	4946.2
75°	3419.9	3440.4	3467.1	3515.7	3562.8	3661.8	3784.2	3927.1	4035.5	4151.7	4156.4
77.5°	2584.6	2645.8	2666.2	2677.2	2697.7	2776.2	2882.9	3007.0	3096.5	3115.4	3112.2
80°	1160.4	1242.1	1260.8	1350.4	1405.3	1535.6	1699.0	1888.9	2016.2	2030.3	1995.7
82.5°	227.7	243.4	284.2	354.9	483.6	560.6	667.4	800.8	923.3	994.0	951.5
85°	75.3	80.1	92.7	102.0	117.8	133.5	161.8	201.0	249.7	276.4	246.5
87.5°	29.9	29.9	34.5	37.7	40.8	40.8	40.8	37.7	36.1	29.9	26.7
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°	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8
2.5°	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5
5°	800.8	799.3	799.3	797.7	797.7	797.7	797.7	797.7
7.5°	824.4	822.8	821.2	822.8	821.2	821.2	821.2	821.2
10°	860.5	857.3	855.8	854.2	854.2	854.2	852.7	852.7
12.5°	902.9	902.9	901.3	899.7	896.6	898.1	896.6	893.5
15°	960.9	957.9	956.3	954.7	951.5	951.5	951.5	950.0
17.5°	1019.1	1015.9	1015.9	1011.3	1009.7	1009.7	1009.7	1011.3
20°	1083.4	1078.7	1075.6	1072.5	1069.3	1070.9	1067.7	1070.9
22.5°	1147.8	1141.6	1138.4	1133.7	1129.0	1129.0	1127.4	1124.3
25°	1210.6	1202.8	1199.6	1195.0	1188.7	1188.7	1185.5	1182.4
27.5°	1270.3	1262.4	1259.4	1249.9	1243.6	1242.1	1238.9	1237.3
30°	1336.3	1326.8	1322.1	1312.8	1303.3	1301.7	1297.0	1297.0
32.5°	1405.3	1395.9	1392.8	1378.6	1370.8	1370.8	1367.6	1364.6
35°	1491.7	1477.6	1474.4	1460.3	1449.3	1449.3	1446.1	1447.7
37.5°	1593.8	1582.8	1571.8	1560.8	1548.3	1546.7	1543.5	1540.4
40°	1730.4	1717.9	1705.2	1689.6	1678.6	1675.5	1670.7	1669.1
42.5°	1912.6	1900.0	1874.9	1862.2	1851.3	1841.9	1840.3	1838.7
45°	2144.9	2129.2	2111.9	2088.4	2074.2	2053.9	2050.7	2042.9
47.5°	2424.4	2394.6	2364.8	2344.4	2322.3	2298.8	2294.1	2281.5
50°	2721.2	2697.7	2647.4	2614.4	2579.9	2556.3	2540.7	2535.9
52.5°	3039.9	2996.0	2945.8	2901.8	2851.6	2820.1	2791.8	2784.0
55°	3372.9	3310.1	3247.2	3195.4	3145.1	3107.5	3080.8	3068.2
57.5°	3705.7	3636.7	3567.6	3511.0	3468.7	3419.9	3393.2	3387.0
60°	4052.8	3986.8	3916.1	3859.7	3807.8	3765.4	3749.7	3719.8
62.5°	4420.2	4351.1	4285.1	4230.2	4164.2	4134.4	4107.7	4090.4
65°	4781.3	4701.2	4618.1	4559.9	4494.0	4451.6	4418.6	4395.1
67.5°	5060.9	4939.9	4828.4	4731.1	4641.6	4575.7	4533.2	4511.3
69°	5139.4	4988.6	4845.7	4718.5	4613.3	4539.6	4492.4	4470.4
70°	5129.9	4963.5	4806.4	4666.7	4552.1	4473.6	4428.0	4387.2
72.5°	4839.5	4687.1	4512.9	4360.5	4256.9	4181.5	4135.9	4114.0
75°	4129.7	4027.7	3902.0	3784.2	3708.9	3664.9	3608.4	3610.0
77.5°	3007.0	3010.2	2925.3	2804.4	2719.6	2703.9	2678.8	2653.7
80°	1865.4	1716.3	1618.9	1488.6	1392.8	1309.6	1273.5	1195.0
82.5°	860.5	672.1	521.3	394.1	303.1	237.1	207.3	169.6
85°	191.5	146.0	120.9	97.4	83.3	76.9	62.8	58.1
87.5°	26.7	23.5	22.0	20.4	17.3	12.6	9.4	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)