

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: McGRAW-EDISON

Report Number: P948805

Luminaire Tested: **GALN-SB3D-730-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-730-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30347 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

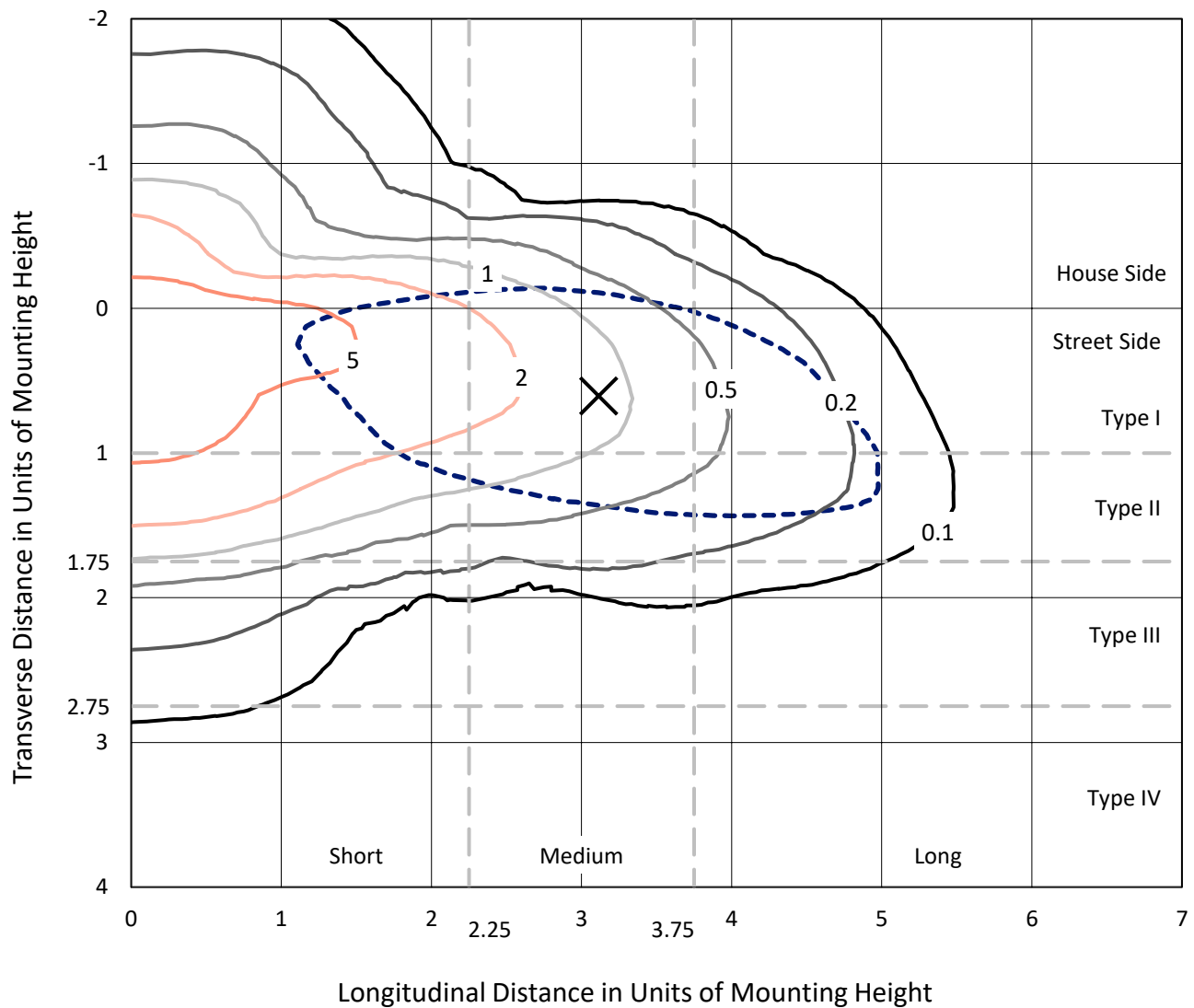
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

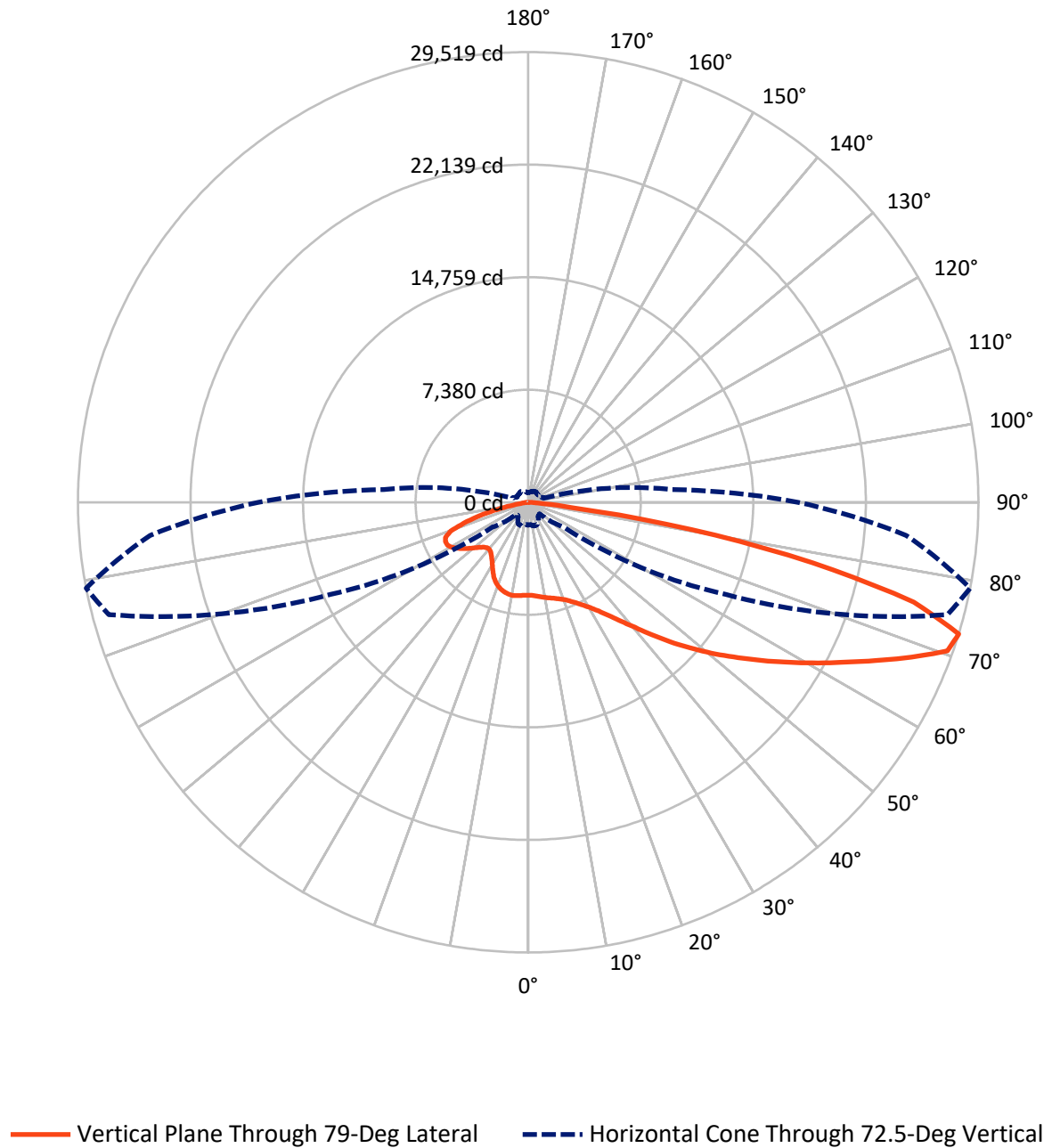
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6678.0	0.0	6678.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	23669.0	0.0	23669.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	30347.0	0.0	30347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.0	1.8
10°-20°	1445.7	4.8
20°-30°	2332.8	7.7
30°-40°	3501.2	11.5
40°-50°	4966.7	16.4
50°-60°	6272.3	20.7
60°-70°	6370.3	21.0
70°-80°	4341.7	14.3
80°-90°	563.3	1.9
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°	30347.0	100.0
0°-180°	30347.0	100.0

Coefficient of Utilization



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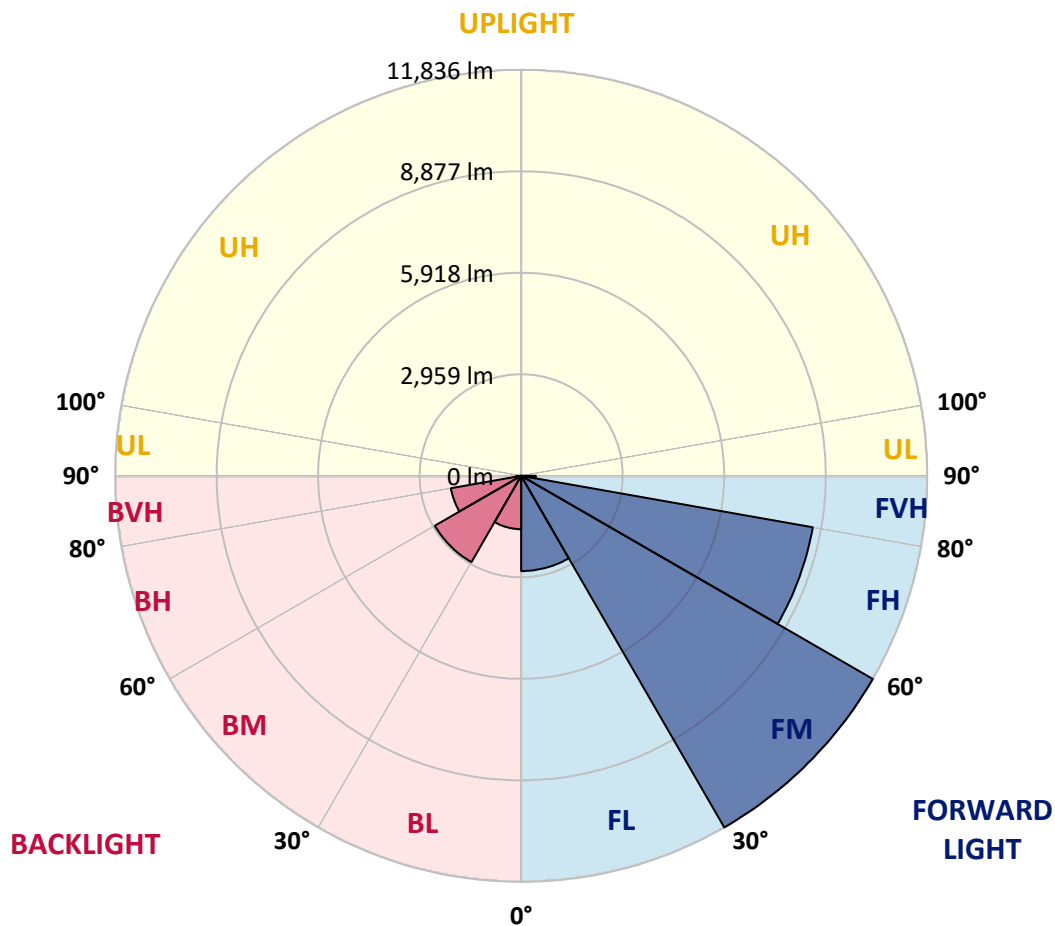
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2776.0	9.1			
FM	(30°-60°)	11836.0	39.0			
FH	(60°-80°)	8632.7	28.4			G4/12000
FVH	(80°-90°)	424.3	1.4			G3/500
BL	(0°-30°)	1555.5	5.1	B3/2500		
BM	(30°-60°)	2904.2	9.6	B3/5000		
BH	(60°-80°)	2079.3	6.9	B3/2500		G3/2500
BVH	(80°-90°)	139.0	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9
2.5°	6095.1	6066.2	6083.8	6077.4	6085.5	6095.1	6098.3	6103.1	6119.2	6117.6	6116.0
5°	6082.2	6053.3	6077.4	6069.4	6090.3	6112.7	6132.0	6149.7	6175.3	6186.6	6170.5
7.5°	6055.0	6035.7	6059.8	6083.8	6122.4	6156.1	6183.4	6223.5	6260.4	6266.8	6278.1
10°	5896.0	5881.6	5937.8	6000.4	6106.3	6197.8	6257.2	6303.8	6343.9	6350.3	6366.4
12.5°	5730.7	5713.0	5775.6	5860.7	6032.5	6197.8	6323.0	6384.0	6419.3	6440.2	6464.3
15°	5703.4	5689.0	5724.3	5798.1	5941.0	6154.5	6368.0	6480.3	6510.8	6534.9	6544.5
17.5°	5835.0	5807.7	5822.2	5847.9	5931.3	6114.3	6403.3	6589.5	6636.0	6661.7	6661.7
20°	6140.0	6101.5	6079.0	6027.7	6013.2	6120.8	6400.1	6721.1	6782.1	6814.2	6822.3
22.5°	6546.2	6520.5	6472.3	6342.3	6201.0	6199.4	6461.1	6889.7	7003.6	7034.1	7014.9
25°	7037.4	6998.8	6937.8	6761.3	6490.0	6355.1	6563.8	7104.8	7295.8	7303.8	7247.6
27.5°	7602.4	7544.6	7461.1	7228.4	6862.4	6599.1	6721.1	7352.0	7631.3	7628.1	7512.5
30°	8197.9	8140.2	8051.9	7769.3	7308.6	6928.2	6939.4	7618.5	8029.4	8011.7	7814.3
32.5°	8633.0	8589.6	8572.0	8353.6	7822.3	7316.7	7189.9	7913.8	8520.6	8504.5	8228.4
35°	8966.8	8910.7	8931.5	8820.8	8382.5	7751.7	7496.5	8265.4	9117.7	9116.1	8772.6
37.5°	9297.5	9247.8	9265.4	9191.6	8901.0	8303.9	7870.5	8695.6	9857.8	9893.1	9430.8
40°	9599.3	9546.3	9617.0	9547.9	9303.9	8891.4	8295.9	9182.0	10715.0	10782.4	10227.0
42.5°	9780.7	9739.0	9856.2	9857.8	9653.9	9387.4	8763.0	9718.1	11707.0	11857.9	11206.2
45°	9843.3	9828.9	10005.4	10042.4	9963.7	9674.8	9183.6	10302.4	12776.1	13045.8	12321.8
47.5°	9775.9	9748.6	9992.6	10129.0	10191.6	9809.6	9531.9	10934.9	13867.6	14262.5	13538.6
50°	9435.6	9382.6	9745.4	10032.7	10255.9	9897.9	9883.4	11665.3	15108.5	15540.3	14761.8
52.5°	8824.0	8783.9	9196.4	9695.6	10114.6	9941.2	10278.3	12463.1	16286.7	16845.3	16015.4
55°	8042.2	7989.3	8443.5	9095.3	9763.0	9926.8	10673.2	13355.6	17676.9	18243.5	17310.9
57.5°	6803.0	6697.0	7271.7	8042.2	9190.0	9909.1	11084.2	14243.3	19089.5	19768.5	18693.0
60°	4995.5	4838.2	5542.9	6456.3	8069.5	9737.4	11593.0	15238.5	20784.6	21396.2	20201.9
62.5°	2908.7	2817.2	3277.9	4130.3	6082.2	8726.1	11878.7	16395.9	22450.8	23092.9	21685.1
65°	2258.6	2232.9	2273.0	2338.8	3385.4	6533.3	10997.5	17524.4	24569.7	25019.2	23231.0
67.5°	2065.9	2046.7	2064.3	1940.7	1717.6	3639.1	8700.4	17810.1	26839.6	27112.4	24584.2
70°	1836.4	1813.9	1871.7	1765.8	1351.6	1655.0	5621.5	16773.1	28645.4	29157.5	25613.2
72.5°	1496.1	1470.4	1605.2	1557.1	1138.1	1062.7	2823.6	14309.1	28456.0	29518.7	24876.3
75°	1149.3	1134.9	1295.4	1335.6	927.8	836.3	1354.8	10636.3	25041.7	26112.4	21439.5
77.5°	892.5	881.3	963.1	1109.2	748.0	648.5	833.1	6746.8	18871.2	19059.0	14774.6
80°	669.4	637.3	712.7	858.8	582.7	473.5	565.0	3934.4	11928.5	10812.9	6430.6
82.5°	419.0	402.9	465.5	573.1	410.9	325.9	367.6	2173.5	4780.4	2815.6	1240.8
85°	239.2	232.8	253.6	327.5	223.1	187.8	210.3	959.9	873.2	600.4	374.0
87.5°	96.3	93.1	115.6	146.1	81.9	69.0	73.8	231.2	192.6	178.2	123.6
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°	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9	6091.9
2.5°	6109.5	6109.5	6087.1	6051.7	6011.6	5985.9	5944.2	5933.0	5889.6	5876.8	5897.6
5°	6183.4	6170.5	6101.5	6002.0	5865.5	5740.3	5602.3	5515.6	5393.6	5350.3	5382.4
7.5°	6276.5	6241.2	6122.4	5904.1	5618.3	5337.4	5045.3	4823.7	4611.8	4536.4	4546.0
10°	6361.6	6311.8	6109.5	5727.5	5233.1	4746.7	4281.2	3955.3	3708.1	3607.0	3629.4
12.5°	6446.6	6355.1	6024.5	5433.7	4685.7	4025.9	3529.9	3276.3	3123.8	3001.8	3041.9
15°	6526.9	6398.5	5892.8	5040.4	4085.3	3415.9	3049.9	2847.7	2725.7	2645.4	2659.9
17.5°	6620.0	6435.4	5695.4	4541.2	3513.9	2993.8	2695.2	2573.2	2549.1	2539.5	2545.9
20°	6750.0	6469.1	5435.3	3982.6	3093.3	2656.7	2502.6	2491.3	2489.7	2484.9	2501.0
22.5°	6889.7	6509.2	5091.8	3475.3	2735.3	2446.4	2419.1	2396.6	2382.2	2380.6	2398.2
25°	7055.0	6522.1	4661.6	3059.6	2430.3	2346.9	2314.8	2281.0	2271.4	2271.4	2281.0
27.5°	7215.5	6478.7	4160.8	2698.4	2258.6	2255.4	2213.6	2202.4	2200.8	2205.6	2218.4
30°	7376.1	6396.9	3663.1	2364.5	2159.0	2159.0	2144.6	2152.6	2159.0	2175.1	2186.3
32.5°	7592.8	6310.2	3247.4	2117.3	2072.4	2056.3	2070.8	2086.8	2093.2	2114.1	2131.8
35°	7910.6	6249.2	2916.7	1982.5	1982.5	1961.6	1969.6	1966.4	1952.0	1942.3	1964.8
37.5°	8331.2	6246.0	2643.8	1919.9	1907.0	1903.8	1905.4	1884.5	1828.4	1760.9	1762.5
40°	8836.8	6332.7	2433.5	1876.5	1866.9	1886.2	1876.5	1820.3	1666.2	1549.1	1545.8
42.5°	9515.8	6579.9	2298.7	1823.5	1852.4	1876.5	1838.0	1643.8	1539.4	1460.8	1457.6
45°	10315.2	6981.2	2229.7	1767.4	1825.2	1854.0	1667.8	1582.8	1499.3	1404.6	1398.2
47.5°	11220.6	7486.8	2213.6	1714.4	1764.2	1781.8	1595.6	1557.1	1462.4	1359.6	1351.6
50°	12206.2	8085.6	2257.0	1651.8	1675.9	1614.9	1571.5	1536.2	1438.3	1337.2	1325.9
52.5°	13225.5	8745.3	2343.6	1566.7	1587.6	1520.2	1561.9	1531.4	1423.8	1287.4	1277.8
55°	14227.2	9409.9	2427.1	1467.2	1497.7	1435.1	1534.6	1512.1	1358.0	1203.9	1195.9
57.5°	15244.9	10071.3	2509.0	1378.9	1411.0	1353.2	1491.3	1460.8	1284.2	1126.9	1123.7
60°	16302.8	10713.3	2547.5	1293.8	1316.3	1277.8	1425.4	1372.5	1200.7	1048.2	1043.4
62.5°	17293.2	11247.9	2484.9	1208.7	1223.2	1207.1	1338.8	1268.1	1117.2	959.9	958.3
65°	18286.9	11565.7	2292.3	1125.3	1128.5	1120.5	1216.8	1155.8	1019.3	882.9	873.2
67.5°	19187.4	11743.9	1985.7	1035.4	1027.4	1024.1	1102.8	1033.8	924.6	805.8	796.2
70°	19378.4	11291.2	1516.9	929.4	929.4	921.4	977.6	907.0	820.3	724.0	720.8
72.5°	17699.3	9498.2	1077.1	809.0	821.9	805.8	852.4	793.0	714.3	650.1	630.9
75°	14272.2	6965.1	783.4	685.4	707.9	680.6	724.0	682.2	614.8	613.2	552.2
77.5°	9806.4	4306.8	568.3	565.0	581.1	545.8	595.5	573.1	512.1	484.8	454.3
80°	4184.9	1717.6	414.2	436.6	436.6	404.5	462.3	468.7	415.8	402.9	402.9
82.5°	833.1	488.0	290.5	300.2	282.5	272.9	327.5	362.8	500.8	557.0	558.6
85°	250.4	179.8	175.0	163.7	144.5	146.1	192.6	364.4	449.5	256.8	221.5
87.5°	69.0	44.9	46.6	36.9	30.5	40.1	65.8	276.1	150.9	64.2	54.6
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)