

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: P955903

Luminaire Tested: **GALN-SB8D-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955903
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-SB8D-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 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: 67563 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 584.9
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



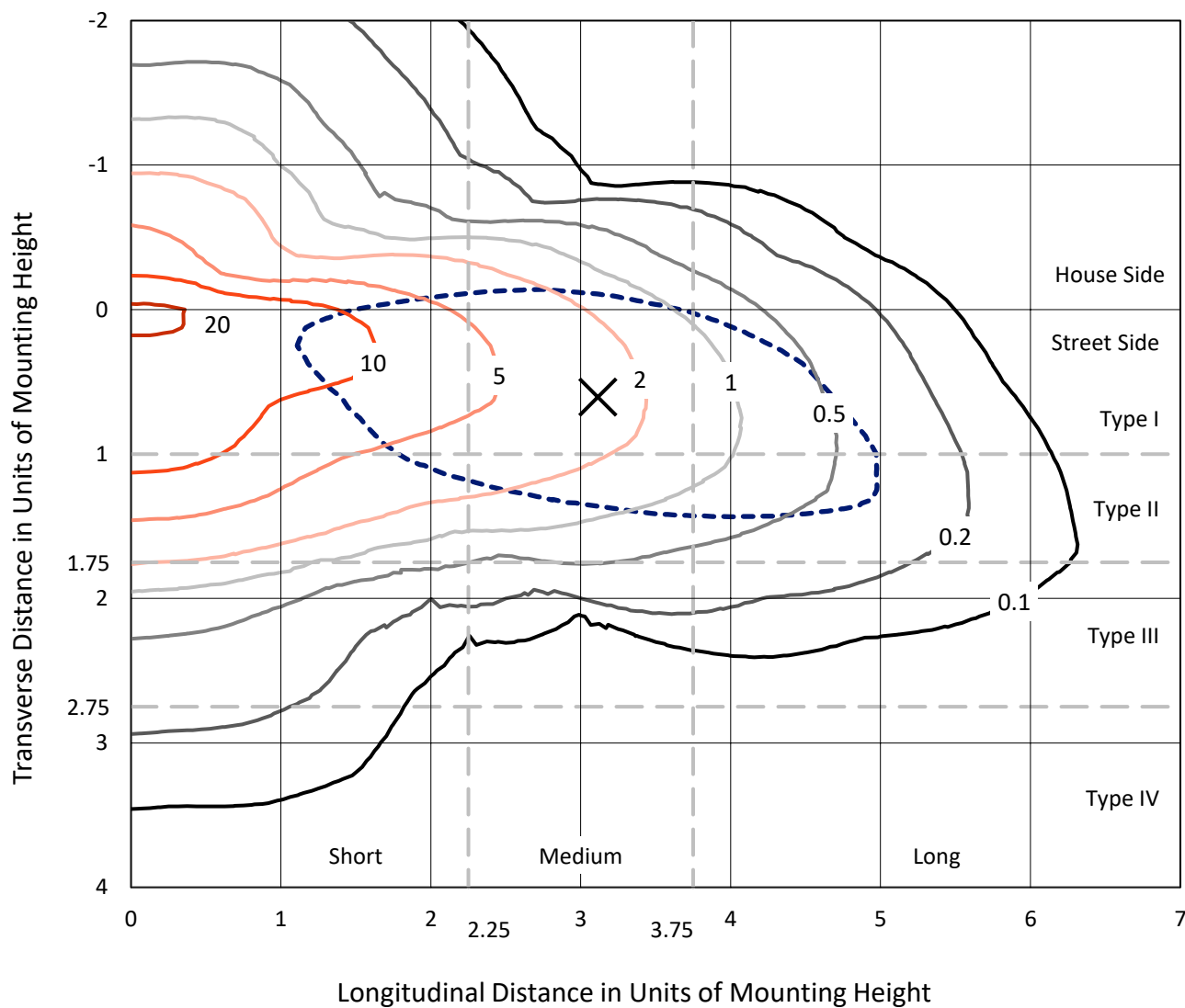
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Iso-Footcandle Lines of Horizontal Illumination

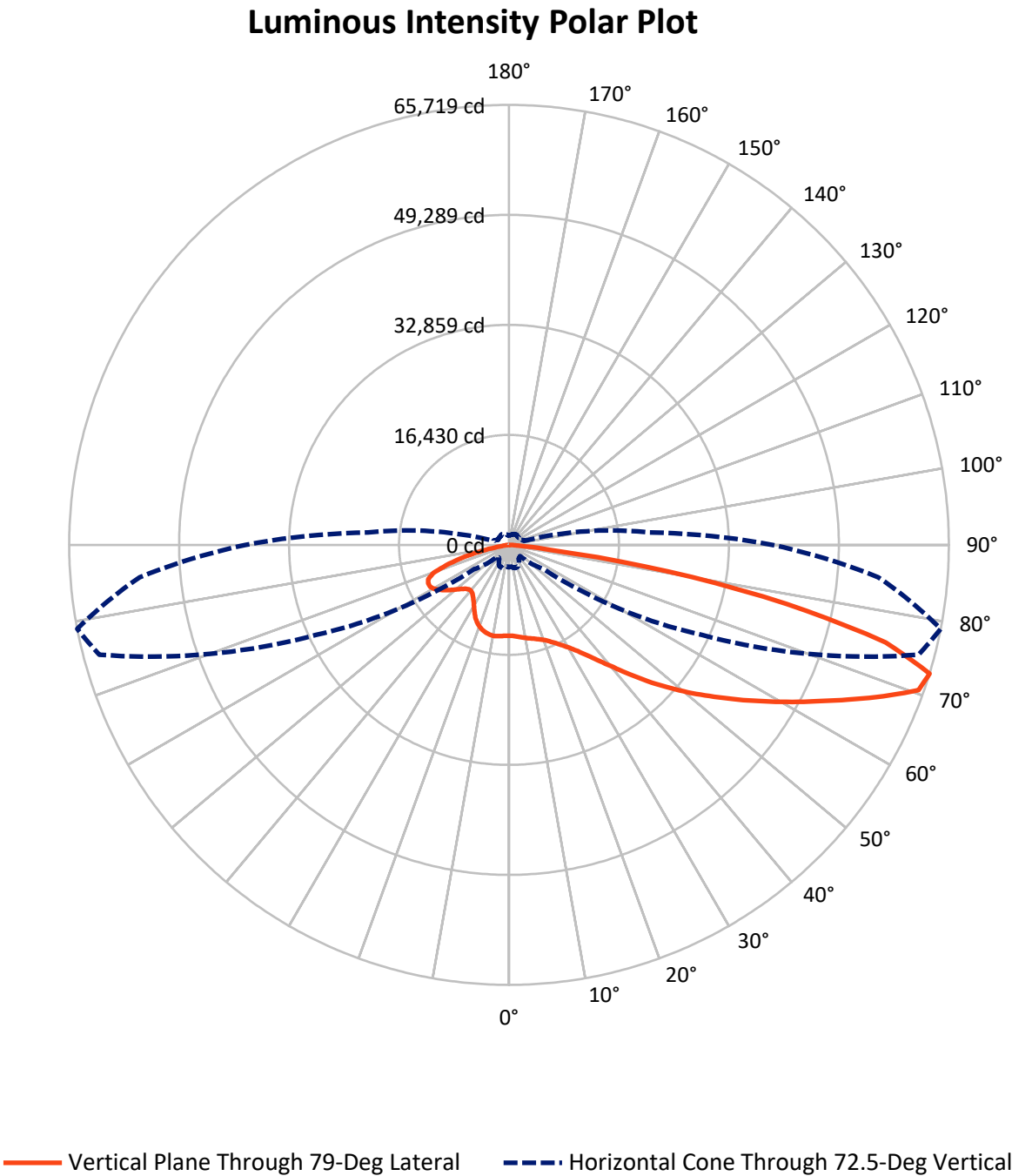
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14867.6	0.0	14867.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	52695.4	0.0	52695.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	67563.0	0.0	67563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1231.1	1.8
10°-20°	3218.7	4.8
20°-30°	5193.7	7.7
30°-40°	7795.0	11.5
40°-50°	11057.6	16.4
50°-60°	13964.2	20.7
60°-70°	14182.6	21.0
70°-80°	9666.1	14.3
80°-90°	1254.1	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°	67563.0	100.0
0°-180°	67563.0	100.0

Coefficient of Utilization



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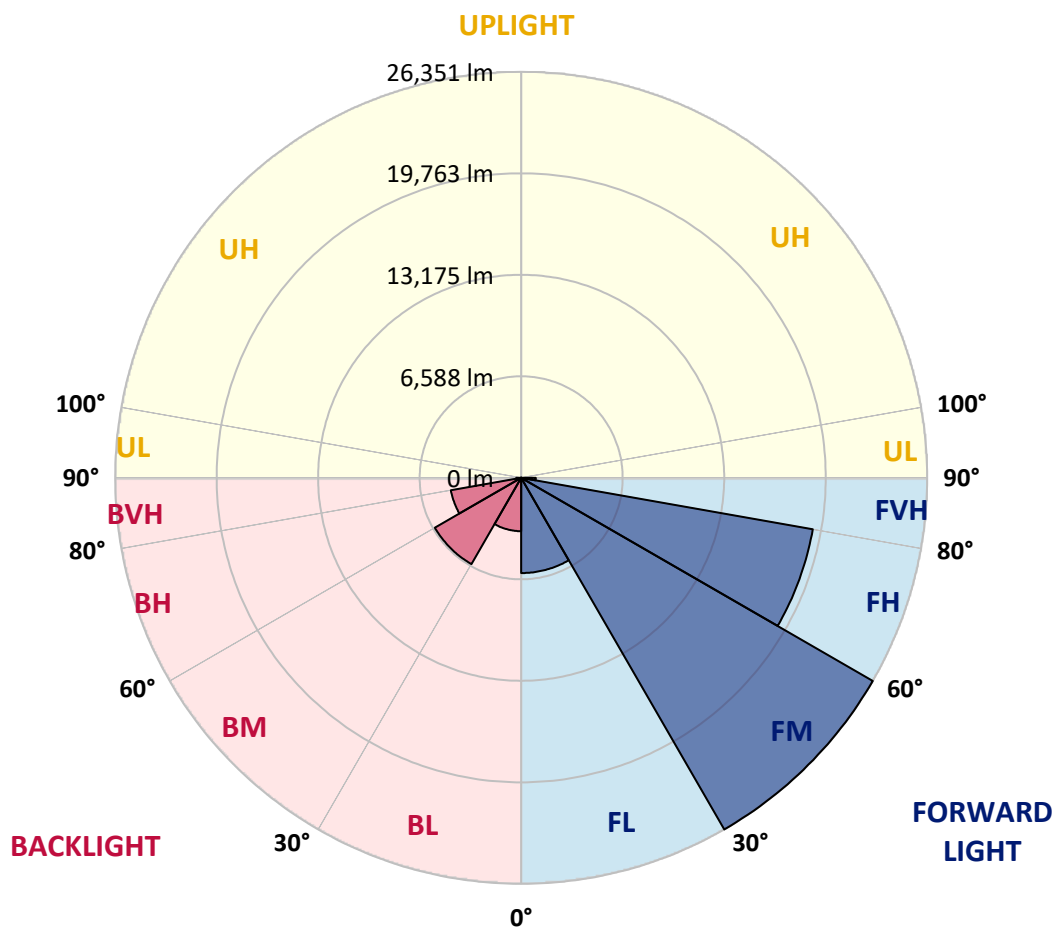
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6180.4	9.1			
FM	(30°-60°)	26351.0	39.0			
FH	(60°-80°)	19219.4	28.4			G5
FVH	(80°-90°)	944.7	1.4			G5
BL	(0°-30°)	3463.1	5.1	B4/5000		
BM	(30°-60°)	6465.8	9.6	B4/8500		
BH	(60°-80°)	4629.3	6.9	B4/5000		G4/5000
BVH	(80°-90°)	309.4	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6
2.5°	13569.8	13505.4	13544.8	13530.5	13548.3	13569.8	13576.9	13587.6	13623.4	13619.8	13616.2
5°	13541.2	13476.9	13530.5	13512.6	13559.1	13609.1	13652.0	13691.3	13748.5	13773.5	13737.7
7.5°	13480.4	13437.5	13491.2	13544.8	13630.5	13705.6	13766.3	13855.7	13937.9	13952.2	13977.2
10°	13126.6	13094.5	13219.5	13358.9	13594.8	13798.5	13930.7	14034.4	14123.7	14138.0	14173.8
12.5°	12758.5	12719.2	12858.6	13048.0	13430.4	13798.5	14077.3	14213.1	14291.7	14338.1	14391.8
15°	12697.8	12665.6	12744.2	12908.6	13226.7	13702.0	14177.3	14427.5	14495.4	14549.0	14570.4
17.5°	12990.8	12930.1	12962.2	13019.4	13205.2	13612.7	14256.0	14670.5	14774.2	14831.3	14831.3
20°	13669.8	13584.1	13534.0	13419.7	13387.5	13627.0	14248.8	14963.6	15099.4	15170.8	15188.7
22.5°	14574.0	14516.8	14409.6	14120.1	13805.6	13802.1	14384.6	15338.8	15592.6	15660.5	15617.6
25°	15667.6	15581.8	15446.0	15052.9	14448.9	14148.7	14613.3	15817.7	16243.0	16260.9	16135.8
27.5°	16925.6	16796.9	16611.1	16092.9	15278.1	14692.0	14963.6	16368.1	16989.9	16982.8	16725.5
30°	18251.5	18122.8	17926.3	17297.3	16271.6	15424.6	15449.6	16961.3	17876.2	17836.9	17397.3
32.5°	19220.0	19123.5	19084.2	18598.1	17415.2	16289.5	16007.1	17618.9	18969.8	18934.1	18319.4
35°	19963.3	19838.2	19884.7	19638.1	18662.5	17258.0	16689.7	18401.6	20299.3	20295.7	19530.9
37.5°	20699.5	20588.8	20628.1	20463.7	19816.8	18487.3	17522.4	19359.4	21946.8	22025.4	20996.2
40°	21371.4	21253.5	21410.7	21257.1	20713.8	19795.4	18469.5	20442.2	23855.2	24005.3	22768.8
42.5°	21775.3	21682.3	21943.2	21946.8	21492.9	20899.7	19509.5	21635.9	26063.8	26399.8	24948.8
45°	21914.6	21882.5	22275.6	22357.8	22182.7	21539.4	20445.8	22936.7	28444.0	29044.4	27432.6
47.5°	21764.5	21703.8	22247.0	22550.8	22690.2	21839.6	21221.3	24344.8	30874.2	31753.4	30141.6
50°	21006.9	20889.0	21696.6	22336.3	22833.1	22036.1	22004.0	25970.9	33636.8	34598.1	32864.8
52.5°	19645.3	19555.9	20474.4	21585.8	22518.6	22132.6	22883.1	27747.1	36259.9	37503.6	35656.0
55°	17904.8	17786.9	18798.3	20249.2	21735.9	22100.5	23762.3	29734.1	39354.9	40616.4	38540.0
57.5°	15145.8	14910.0	16189.4	17904.8	20460.1	22061.2	24677.2	31710.5	42499.8	44011.5	41617.1
60°	11121.7	10771.5	12340.4	14373.9	17965.6	21678.8	25810.1	33926.2	46273.8	47635.4	44976.5
62.5°	6475.8	6272.0	7297.7	9195.4	13541.2	19427.3	26446.2	36503.0	49983.4	51412.9	48278.7
65°	5028.4	4971.2	5060.5	5207.0	7537.2	14545.4	24484.2	39015.3	54700.8	55701.5	51720.3
67.5°	4599.5	4556.6	4595.9	4320.7	3824.0	8101.8	19370.1	39651.5	59754.2	60361.7	54733.0
70°	4088.4	4038.4	4167.1	3931.2	3009.2	3684.6	12515.5	37342.8	63774.7	64914.8	57023.8
72.5°	3330.8	3273.6	3573.8	3466.6	2533.8	2365.9	6286.3	31857.0	63353.0	65718.9	55383.4
75°	2558.9	2526.7	2884.1	2973.4	2065.7	1862.0	3016.3	23680.1	55751.5	58135.3	47731.9
77.5°	1987.0	1962.0	2144.3	2469.5	1665.4	1443.8	1854.8	15020.7	42013.8	42431.9	32893.4
80°	1490.3	1418.8	1586.8	1912.0	1297.3	1054.3	1258.0	8759.4	26557.0	24073.2	14316.7
82.5°	932.8	897.0	1036.4	1275.9	914.9	725.5	818.4	4838.9	10642.8	6268.5	2762.6
85°	532.5	518.2	564.7	729.1	496.8	418.1	468.2	2137.1	1944.2	1336.6	832.7
87.5°	214.4	207.3	257.3	325.2	182.3	153.7	164.4	514.6	428.9	396.7	275.2
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°	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6	13562.6
2.5°	13601.9	13601.9	13551.9	13473.3	13383.9	13326.8	13233.8	13208.8	13112.3	13083.7	13130.2
5°	13766.3	13737.7	13584.1	13362.5	13058.7	12780.0	12472.6	12279.6	12008.0	11911.5	11983.0
7.5°	13973.6	13895.0	13630.5	13144.5	12508.4	11882.9	11232.5	10739.3	10267.6	10099.6	10121.0
10°	14163.0	14052.2	13601.9	12751.4	11650.6	10567.8	9531.4	8805.9	8255.5	8030.4	8080.4
12.5°	14352.4	14148.7	13412.5	12097.4	10432.0	8963.1	7858.8	7294.2	6954.6	6683.0	6772.4
15°	14531.1	14245.2	13119.5	11221.8	9095.4	7605.1	6790.2	6339.9	6068.3	5889.6	5921.8
17.5°	14738.4	14327.4	12679.9	10110.3	7823.1	6665.2	6000.4	5728.8	5675.2	5653.8	5668.1
20°	15027.9	14402.5	12100.9	8866.6	6886.7	5914.7	5571.6	5546.6	5543.0	5532.3	5568.0
22.5°	15338.8	14491.8	11336.1	7737.3	6089.8	5446.5	5385.7	5335.7	5303.5	5300.0	5339.3
25°	15706.9	14520.4	10378.4	6811.7	5410.8	5224.9	5153.4	5078.4	5056.9	5056.9	5078.4
27.5°	16064.3	14423.9	9263.3	6007.6	5028.4	5021.2	4928.3	4903.3	4899.7	4910.4	4939.0
30°	16421.7	14241.7	8155.4	5264.2	4806.8	4806.8	4774.6	4792.5	4806.8	4842.5	4867.5
32.5°	16904.1	14048.7	7229.8	4713.9	4613.8	4578.1	4610.2	4646.0	4660.3	4706.7	4746.0
35°	17611.8	13912.9	6493.6	4413.7	4413.7	4367.2	4385.1	4377.9	4345.8	4324.3	4374.4
37.5°	18548.1	13905.7	5886.1	4274.3	4245.7	4238.5	4242.1	4195.7	4070.6	3920.5	3924.0
40°	19673.9	14098.7	5417.9	4177.8	4156.3	4199.2	4177.8	4052.7	3709.6	3448.7	3441.6
42.5°	21185.6	14649.1	5117.7	4059.9	4124.2	4177.8	4092.0	3659.6	3427.3	3252.2	3245.0
45°	22965.3	15542.5	4964.0	3934.8	4063.4	4127.8	3713.2	3523.8	3337.9	3127.1	3112.8
47.5°	24981.0	16668.3	4928.3	3816.8	3927.6	3966.9	3552.4	3466.6	3255.7	3027.0	3009.2
50°	27175.3	18001.3	5024.8	3677.5	3731.1	3595.3	3498.8	3420.1	3202.1	2977.0	2952.0
52.5°	29444.7	19470.1	5217.8	3488.0	3534.5	3384.4	3477.3	3409.4	3170.0	2866.2	2844.8
55°	31674.7	20949.7	5403.6	3266.5	3334.4	3195.0	3416.6	3366.5	3023.4	2680.4	2662.5
57.5°	33940.5	22422.1	5585.9	3069.9	3141.4	3012.7	3320.1	3252.2	2859.1	2508.8	2501.7
60°	36295.7	23851.6	5671.6	2880.5	2930.5	2844.8	3173.5	3055.6	2673.2	2333.7	2323.0
62.5°	38500.7	25041.7	5532.3	2691.1	2723.2	2687.5	2980.6	2823.3	2487.4	2137.1	2133.6
65°	40712.9	25749.3	5103.4	2505.2	2512.4	2494.5	2709.0	2573.1	2269.4	1965.6	1944.2
67.5°	42717.8	26146.0	4420.8	2305.1	2287.2	2280.1	2455.2	2301.5	2058.5	1794.1	1772.6
70°	43143.1	25138.2	3377.3	2069.2	2069.2	2051.4	2176.5	2019.2	1826.2	1611.8	1604.6
72.5°	39404.9	21146.3	2398.0	1801.2	1829.8	1794.1	1897.7	1765.5	1590.3	1447.4	1404.5
75°	31774.8	15506.8	1744.0	1526.0	1576.1	1515.3	1611.8	1518.9	1368.8	1365.2	1229.4
77.5°	21832.4	9588.5	1265.1	1258.0	1293.7	1215.1	1325.9	1275.9	1140.0	1079.3	1011.4
80°	9316.9	3824.0	922.0	972.1	972.1	900.6	1029.3	1043.6	925.6	897.0	897.0
82.5°	1854.8	1086.4	646.9	668.3	629.0	607.5	729.1	807.7	1115.0	1240.1	1243.7
85°	557.5	400.3	389.5	364.5	321.6	325.2	428.9	811.3	1000.7	571.8	493.2
87.5°	153.7	100.1	103.6	82.2	67.9	89.3	146.5	614.7	335.9	143.0	121.5
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)