

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: P952346

Luminaire Tested: **GALN-SB6B-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21729 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 220.4
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



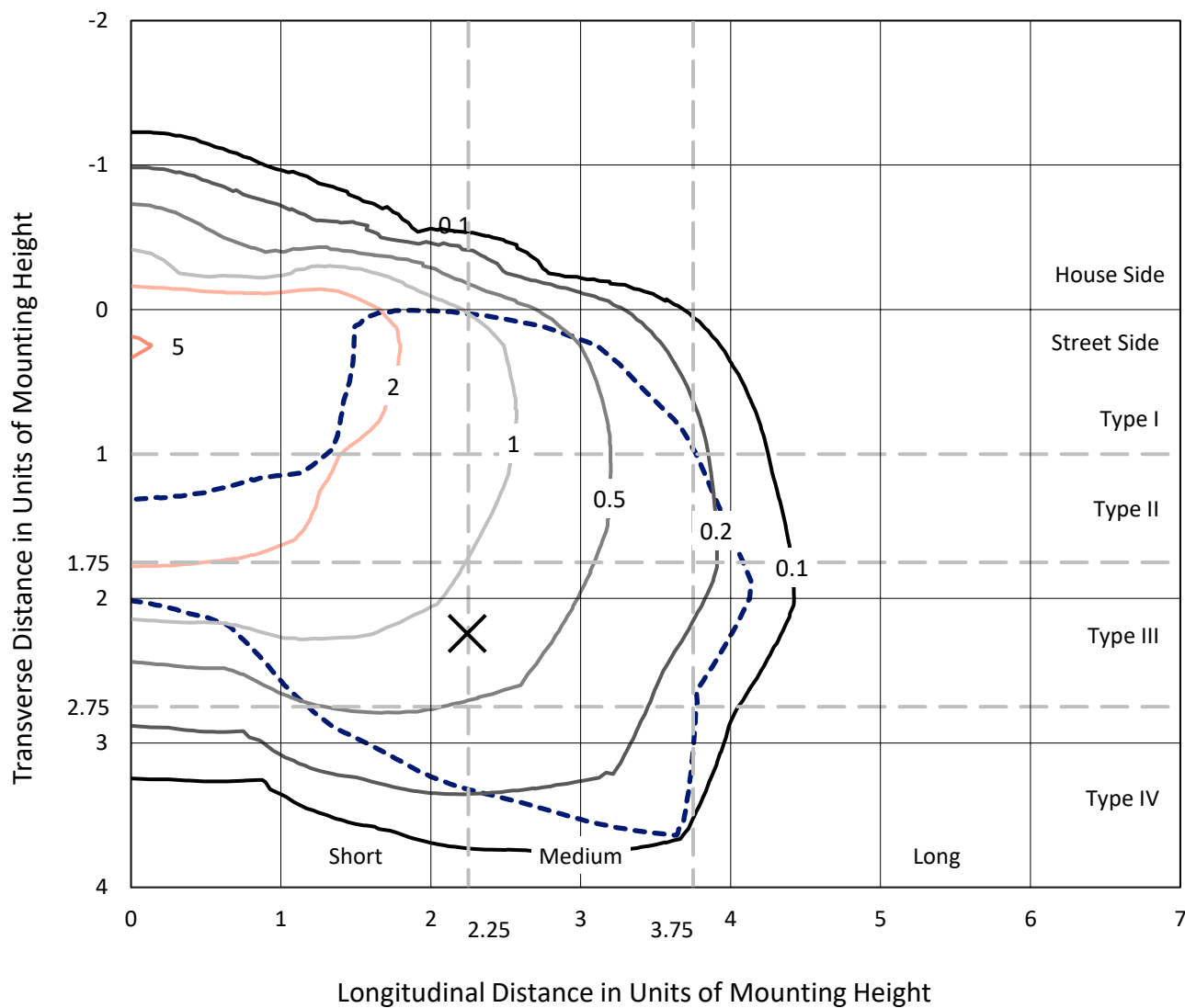
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

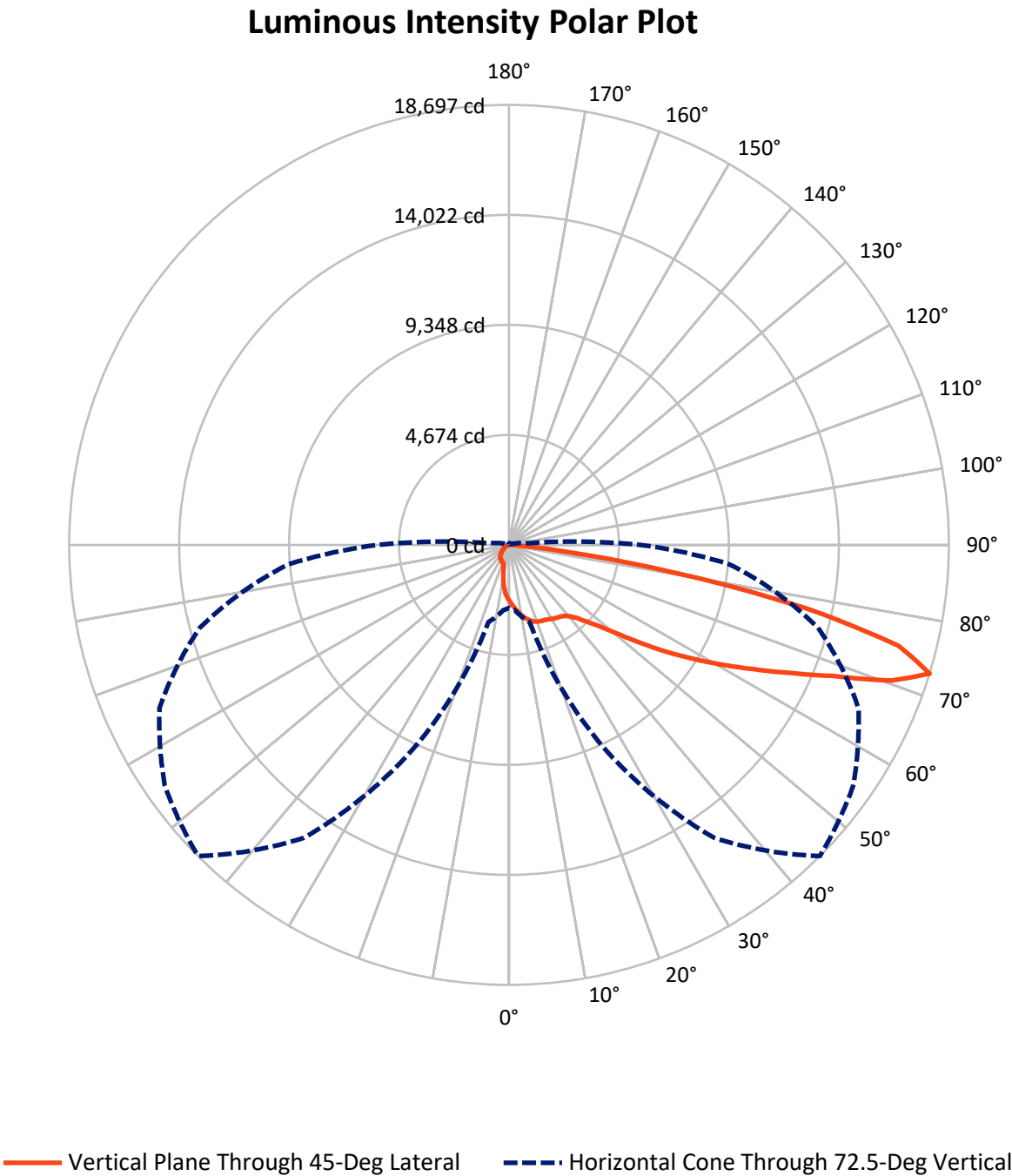
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc

Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2283.1	0.0	2283.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	19445.9	0.0	19445.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	21729.0	0.0	21729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.3	1.0
10°-20°	655.5	3.0
20°-30°	1076.4	5.0
30°-40°	1526.6	7.0
40°-50°	2523.4	11.6
50°-60°	4532.9	20.9
60°-70°	6294.2	29.0
70°-80°	4565.6	21.0
80°-90°	330.1	1.5
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°	21729.0	100.0
0°-180°	21729.0	100.0

Coefficient of Utilization



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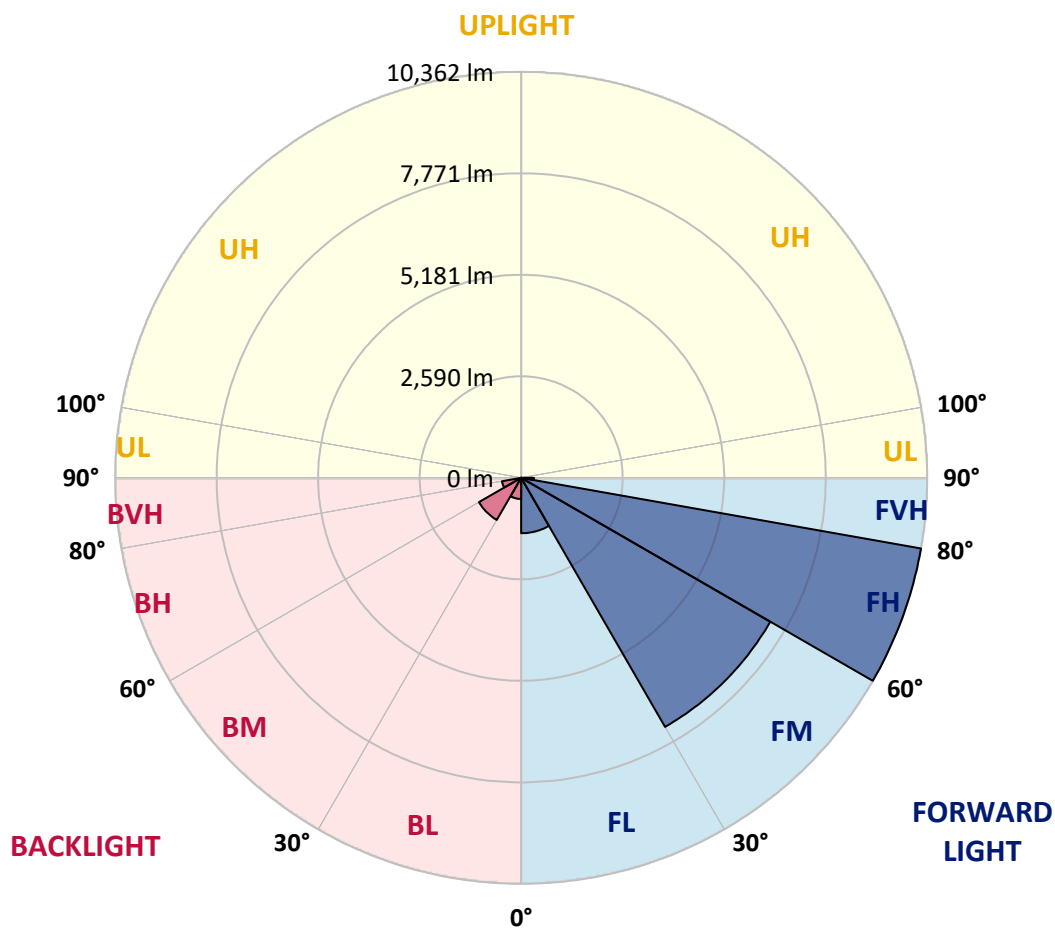
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1415.4	6.5			
FM	(30°-60°)	7341.2	33.8			
FH	(60°-80°)	10361.9	47.7			G4/12000
FVH	(80°-90°)	327.3	1.5			G3/500
BL	(0°-30°)	540.8	2.5	B2/1000		
BM	(30°-60°)	1241.7	5.7	B2/2500		
BH	(60°-80°)	497.9	2.3	B1/500		G1/500
BVH	(80°-90°)	2.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5
2.5°	2600.0	2604.4	2601.4	2583.6	2554.0	2537.7	2528.8	2499.1	2479.8	2445.7	2410.1
5°	2838.8	2856.5	2846.2	2810.6	2754.2	2714.2	2702.3	2641.5	2586.6	2522.8	2448.7
7.5°	3092.4	3101.3	3082.0	3036.0	2960.4	2892.1	2881.8	2797.2	2709.7	2611.8	2511.0
10°	3311.9	3322.3	3292.6	3225.9	3139.8	3055.3	3040.5	2947.0	2843.2	2723.1	2594.0
12.5°	3495.8	3506.2	3467.6	3387.5	3292.6	3205.1	3190.3	3092.4	2978.2	2844.7	2684.5
15°	3635.2	3654.5	3602.6	3516.6	3414.2	3326.7	3319.3	3222.9	3111.7	2963.3	2792.8
17.5°	3716.8	3736.1	3687.1	3583.3	3495.8	3421.6	3412.7	3332.6	3228.8	3086.4	2898.1
20°	3730.1	3747.9	3696.0	3605.5	3532.9	3473.5	3469.1	3411.2	3335.6	3199.2	3012.3
22.5°	3690.1	3712.3	3664.9	3592.2	3541.8	3510.6	3504.7	3472.1	3429.0	3313.4	3119.1
25°	3648.6	3666.4	3630.8	3567.0	3540.3	3537.3	3541.8	3535.8	3526.9	3429.0	3243.7
27.5°	3645.6	3664.9	3624.8	3564.0	3549.2	3580.3	3584.8	3613.0	3620.4	3534.4	3363.8
30°	3670.8	3684.1	3645.6	3581.8	3574.4	3645.6	3647.1	3697.5	3709.4	3623.3	3482.4
32.5°	3725.7	3740.5	3701.9	3608.5	3598.1	3697.5	3701.9	3768.7	3788.0	3718.3	3607.0
35°	3854.7	3872.5	3828.0	3682.7	3645.6	3746.4	3759.8	3838.4	3877.0	3819.1	3736.1
37.5°	4176.6	4124.6	4063.8	3832.5	3753.9	3823.6	3845.8	3937.8	4006.0	3939.3	3890.3
40°	4976.0	4812.8	4623.0	4087.6	3943.7	3988.2	4006.0	4097.9	4191.4	4126.1	4102.4
42.5°	6175.8	5983.0	5677.5	4674.9	4229.9	4252.2	4265.5	4345.6	4477.6	4425.7	4431.7
45°	7245.2	7175.5	6864.0	5677.5	4765.4	4655.6	4671.9	4713.5	4907.7	4888.5	4927.0
47.5°	8066.9	8026.8	7786.5	6828.4	5670.1	5149.5	5195.5	5214.8	5495.1	5563.3	5667.1
50°	8698.7	8683.9	8468.8	7851.8	6852.2	5877.7	5894.0	5852.5	6272.2	6441.3	6638.6
52.5°	9294.9	9345.3	9186.6	8802.5	8114.3	6831.4	6828.4	6632.7	7199.2	7454.3	7791.0
55°	9833.3	9851.1	9867.4	9772.5	9383.9	7917.1	7888.9	7568.5	8274.5	8538.5	8903.4
57.5°	10339.0	10346.5	10491.8	10686.1	10705.4	9082.8	9030.9	8646.8	9449.2	9637.5	9861.5
60°	10678.7	10712.8	11019.8	11559.7	11795.5	10285.7	10257.5	9865.9	10644.6	10732.1	10690.6
62.5°	10189.3	10396.9	11171.1	12241.9	12824.8	11619.0	11605.7	11237.8	11902.3	11831.1	11475.1
65°	8247.8	8599.3	9960.8	12703.2	13834.8	13108.1	13127.4	12735.8	13194.1	12962.7	12112.9
67.5°	5769.5	6140.2	7750.9	12740.3	14963.5	14856.7	14968.0	14353.9	14566.0	14046.9	12264.2
70°	3989.7	4181.0	5229.6	11942.3	15843.0	17265.4	17262.4	16341.4	15930.5	14540.8	11492.9
72.5°	2683.0	2782.4	3396.4	9474.4	15196.4	18696.6	18610.6	17860.1	16390.3	13599.0	9389.8
75°	1131.6	1204.3	1572.1	5324.5	12022.4	17105.2	16872.3	15783.7	14563.1	10708.4	5858.4
77.5°	358.9	390.1	620.0	1905.8	6622.3	12857.4	12611.2	9857.0	9760.6	5372.0	2141.7
80°	170.6	198.7	348.5	765.3	2605.9	6993.1	6958.9	4471.7	4198.8	1450.5	430.1
82.5°	74.2	87.5	192.8	409.3	1165.8	2494.7	2545.1	1521.7	1259.2	550.2	132.0
85°	23.7	31.1	89.0	188.4	492.4	620.0	612.5	361.9	507.2	299.6	46.0
87.5°	0.0	0.0	29.7	43.0	50.4	35.6	40.0	31.1	140.9	83.1	16.3
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°	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5	2380.5
2.5°	2392.3	2368.6	2327.1	2288.5	2254.4	2220.3	2199.5	2169.9	2166.9	2166.9	2174.3
5°	2408.6	2370.1	2295.9	2217.3	2126.8	2040.8	1954.8	1871.7	1845.0	1825.8	1834.7
7.5°	2456.1	2395.3	2278.1	2128.3	1956.3	1767.9	1635.9	1493.5	1438.7	1409.0	1413.4
10°	2524.3	2441.3	2263.3	2000.8	1721.9	1465.4	1277.0	1122.7	1063.4	1038.2	1038.2
12.5°	2600.0	2497.6	2236.6	1842.1	1465.4	1158.3	974.4	903.2	894.3	894.3	894.3
15°	2690.4	2565.9	2190.6	1655.2	1196.9	916.6	851.3	854.3	863.2	869.1	869.1
17.5°	2783.9	2638.5	2117.9	1446.1	959.6	824.6	826.1	830.6	838.0	843.9	843.9
20°	2884.7	2711.2	2021.5	1223.6	823.1	797.9	802.4	806.8	812.8	815.7	817.2
22.5°	2993.0	2779.4	1907.3	1005.6	777.2	775.7	777.2	781.6	789.0	789.0	792.0
25°	3108.7	2855.1	1776.8	846.9	753.4	753.4	756.4	759.4	765.3	765.3	766.8
27.5°	3227.3	2924.8	1638.9	763.8	732.7	731.2	731.2	735.6	738.6	740.1	741.6
30°	3357.9	3006.3	1500.9	746.0	716.4	708.9	704.5	707.5	710.4	711.9	714.9
32.5°	3491.3	3085.0	1377.8	753.4	700.0	686.7	671.9	668.9	668.9	674.8	679.3
35°	3639.7	3171.0	1282.9	778.7	691.1	654.1	630.3	617.0	618.5	627.4	631.8
37.5°	3817.6	3274.8	1213.2	800.9	685.2	617.0	578.4	562.1	551.7	562.1	559.1
40°	4050.5	3427.6	1162.8	818.7	677.8	574.0	522.1	495.4	476.1	482.0	479.1
42.5°	4393.1	3667.8	1143.5	820.2	661.5	523.6	464.2	428.6	400.5	401.9	396.0
45°	4873.6	4047.5	1242.9	800.9	625.9	468.7	403.4	356.0	338.2	333.7	327.8
47.5°	5532.2	4600.7	1472.8	760.9	574.0	415.3	344.1	304.0	290.7	283.3	278.8
50°	6414.6	5311.2	1727.9	716.4	522.1	364.9	295.1	269.9	261.0	253.6	252.1
52.5°	7438.0	6032.0	1937.0	671.9	470.2	320.4	264.0	249.2	241.8	235.8	234.3
55°	8376.8	6528.8	1925.1	624.4	419.7	284.8	241.8	232.9	224.0	218.0	215.1
57.5°	8961.2	6598.5	1587.0	572.5	361.9	256.6	221.0	215.1	204.7	197.3	195.8
60°	9229.7	6201.1	1112.4	504.3	304.0	229.9	198.7	195.8	182.4	172.0	169.1
62.5°	9278.6	5462.4	741.6	419.7	253.6	204.7	176.5	172.0	154.2	136.4	127.6
65°	9079.9	4406.4	513.2	327.8	216.5	178.0	151.3	142.4	123.1	105.3	99.4
67.5°	8451.0	3093.9	357.4	235.8	183.9	140.9	120.1	117.2	102.3	87.5	83.1
70°	7298.6	1763.5	238.8	176.5	145.3	96.4	94.9	97.9	83.1	71.2	65.3
72.5°	5595.9	806.8	148.3	129.0	99.4	65.3	75.6	77.1	63.8	53.4	47.5
75°	3294.1	345.6	93.4	83.1	50.4	43.0	54.9	56.4	43.0	34.1	29.7
77.5°	1121.3	130.5	59.3	48.9	25.2	23.7	35.6	35.6	23.7	13.3	10.4
80°	255.1	48.9	29.7	19.3	11.9	10.4	11.9	10.4	5.9	1.5	0.0
82.5°	72.7	19.3	11.9	7.4	4.4	4.4	1.5	0.0	0.0	0.0	0.0
85°	20.8	8.9	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)