

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: P948413

Luminaire Tested: **GALN-SB3C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15716 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 149.1
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



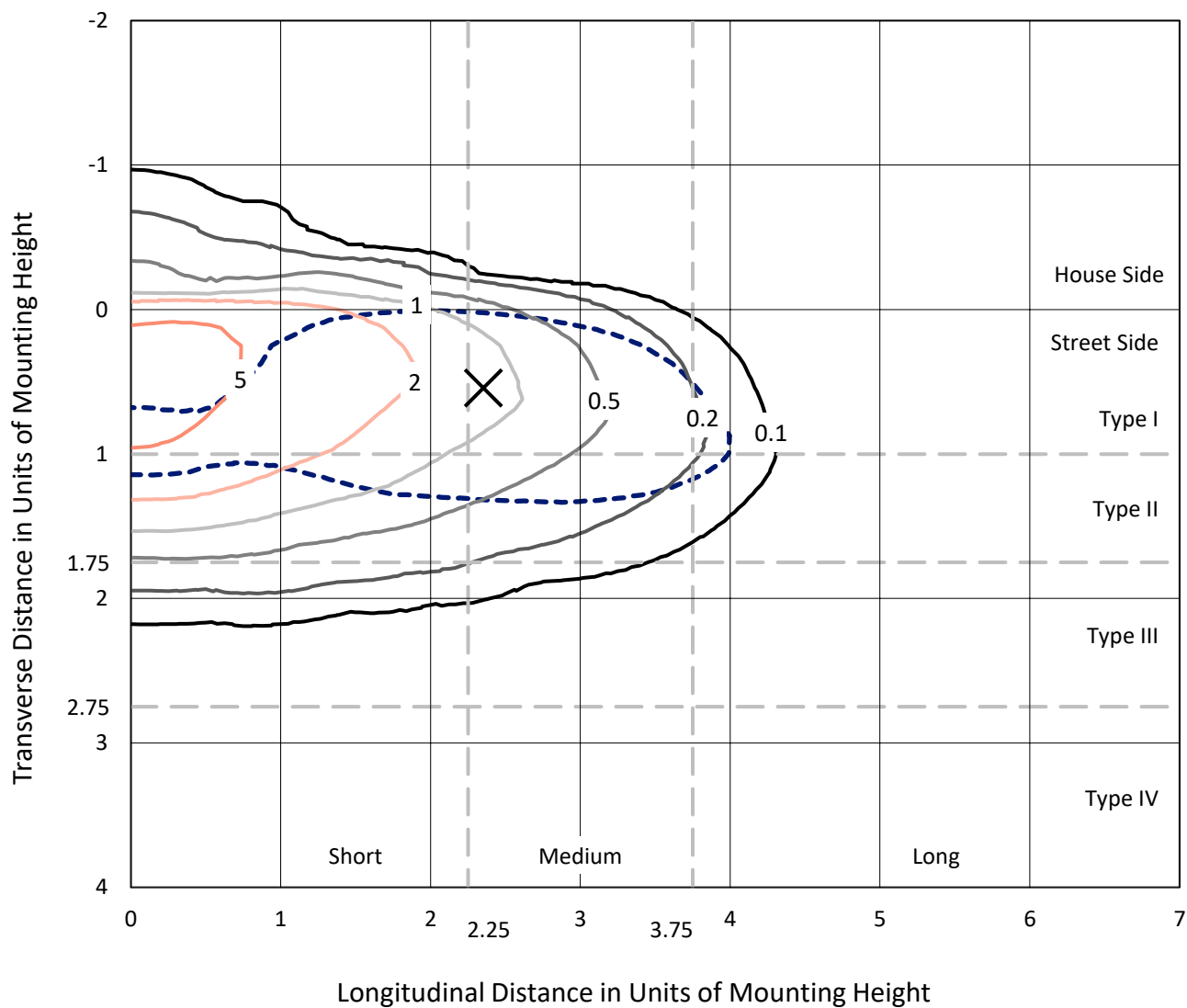
REPORT NUMBER: P948413

CATALOG NUMBER: GALN-SB3C-722-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

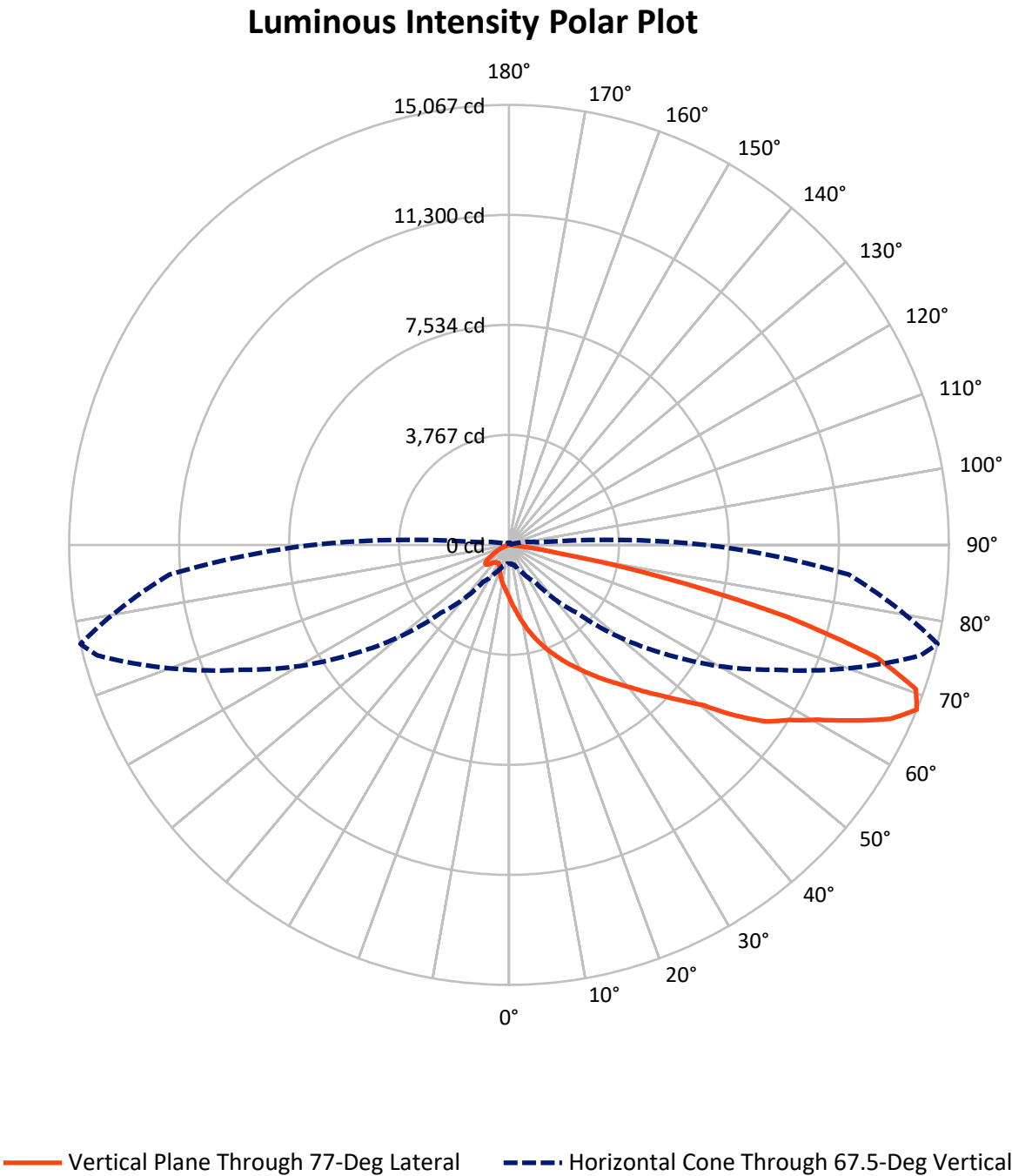
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
Type II - Medium - N/A

REPORT NUMBER: P948413
CATALOG NUMBER: GALN-SB3C-722-U-T2R-HSS



REPORT NUMBER: P948413

CATALOG NUMBER: GALN-SB3C-722-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1156.2	0.0	1156.2
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	14559.8	0.0	14559.8
	% Fixture	92.6	0.0	92.6
Total	Lumens	15716.0	0.0	15716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.0	1.2
10°-20°	647.8	4.1
20°-30°	1250.0	8.0
30°-40°	2170.1	13.8
40°-50°	3150.8	20.0
50°-60°	3618.3	23.0
60°-70°	3141.4	20.0
70°-80°	1479.6	9.4
80°-90°	73.2	0.5
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°	15716.0	100.0
0°-180°	15716.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948413

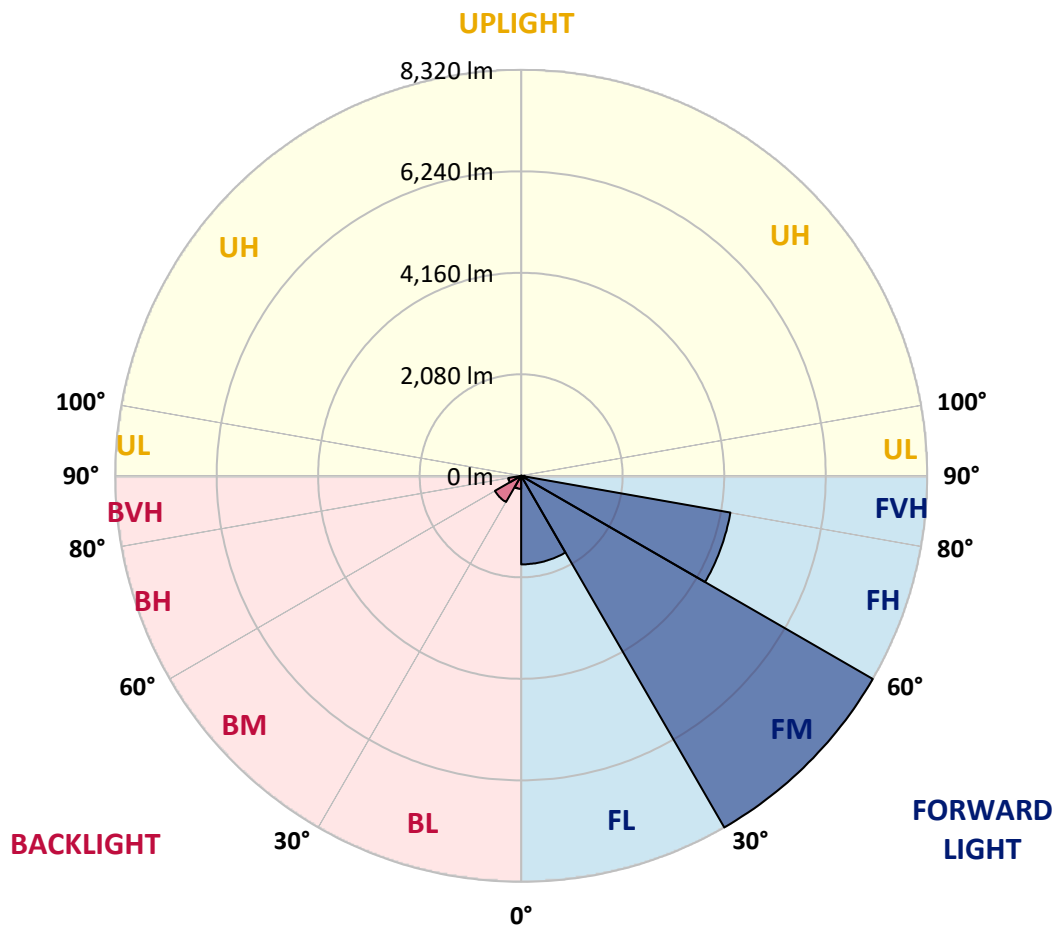
CATALOG NUMBER: GALN-SB3C-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1815.0	11.5			
FM	(30°-60°)	8319.6	52.9			
FH	(60°-80°)	4353.3	27.7			G2/5000
FVH	(80°-90°)	71.8	0.5			G1/100
BL	(0°-30°)	267.7	1.7	B1/500		
BM	(30°-60°)	619.5	3.9	B1/1000		
BH	(60°-80°)	267.7	1.7	B1/500		G1/500
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P948413

CATALOG NUMBER: GALN-SB3C-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3
2.5°	2509.1	2524.7	2502.3	2459.3	2394.9	2352.9	2250.5	2153.9	2046.5	2012.3	1905.0
5°	3058.5	3072.2	3046.8	3000.0	2914.1	2832.1	2697.4	2495.4	2285.6	2218.3	2028.0
7.5°	3465.5	3473.3	3463.5	3420.6	3338.6	3245.9	3095.6	2856.5	2545.2	2471.0	2179.2
10°	3758.3	3783.6	3780.7	3764.1	3709.5	3634.3	3474.3	3202.0	2836.0	2740.4	2350.0
12.5°	3952.5	3980.8	3997.4	4034.5	4031.5	3983.7	3843.2	3555.3	3125.9	3013.6	2542.3
15°	4009.1	4039.3	4102.8	4188.7	4264.8	4289.2	4190.6	3901.7	3445.0	3301.5	2739.4
17.5°	3976.9	4023.7	4099.8	4235.5	4402.4	4512.7	4501.9	4236.5	3734.9	3570.9	2932.6
20°	4048.1	4093.0	4152.5	4266.7	4460.9	4661.0	4741.0	4556.6	4022.7	3851.0	3135.6
22.5°	4442.4	4434.6	4440.4	4459.0	4575.1	4773.2	4938.2	4847.4	4307.7	4132.1	3350.3
25°	5067.0	5031.9	4972.3	4871.8	4842.5	4938.2	5109.9	5105.0	4608.3	4419.9	3569.9
27.5°	5783.3	5777.5	5637.9	5395.9	5259.2	5222.2	5304.1	5355.9	4906.0	4704.9	3790.5
30°	6469.4	6485.0	6296.6	6027.3	5776.5	5631.1	5556.9	5594.0	5208.5	5012.3	4017.9
32.5°	7066.6	7083.2	6878.3	6563.1	6252.7	6077.1	5920.9	5829.2	5538.4	5324.6	4267.7
35°	7571.2	7587.8	7352.6	7004.2	6673.3	6514.3	6337.6	6086.8	5870.2	5671.1	4545.8
37.5°	8022.1	8017.2	7702.0	7350.6	7025.7	6899.8	6807.1	6404.0	6211.7	6019.5	4854.2
40°	8288.5	8309.0	8039.6	7652.2	7337.0	7245.2	7239.4	6797.3	6606.0	6419.6	5191.9
42.5°	8366.6	8402.7	8207.5	7889.3	7603.4	7503.9	7657.1	7222.8	7064.7	6883.2	5573.5
45°	8226.0	8261.2	8172.4	7951.8	7784.9	7720.5	8016.2	7663.9	7554.6	7375.0	6003.9
47.5°	7816.2	7860.1	7881.5	7834.7	7832.7	7898.1	8338.3	8128.4	8136.3	7952.8	6502.6
50°	7022.7	7096.9	7294.0	7459.9	7716.6	8038.7	8651.5	8632.0	8792.1	8634.0	7152.5
52.5°	5580.3	5685.7	6365.0	6818.8	7395.5	8012.3	8996.0	9440.1	9942.7	9711.4	8068.9
55°	4484.4	4484.4	5036.7	5885.8	6769.0	7838.6	9146.3	9965.1	10726.4	10671.7	8714.0
57.5°	3655.8	3699.7	4052.0	4802.5	5862.4	7424.8	9239.0	10295.0	11357.8	11317.8	9344.4
60°	2256.3	2351.0	3016.6	3757.3	4830.8	6688.0	9180.5	10628.8	12123.9	12156.1	10103.7
62.5°	1270.6	1305.8	1602.5	2703.3	3756.3	5697.4	8732.5	10815.2	13103.7	13240.3	10886.4
65°	877.4	894.9	1009.1	1682.5	2603.8	4536.1	7857.1	10699.0	14085.5	14361.7	11550.0
67.5°	637.3	646.1	717.3	1027.6	1544.9	3288.9	6485.0	10113.5	14605.6	15067.2	11676.9
70°	489.9	495.8	547.5	675.3	912.5	2029.9	4709.8	8949.2	14228.9	14780.3	11026.9
72.5°	398.2	404.0	444.0	499.7	605.1	1200.4	2854.6	7267.7	12566.0	13161.3	9387.4
75°	335.7	343.5	379.6	415.7	474.3	771.0	1339.0	5061.1	9449.8	9840.2	6527.9
77.5°	186.4	171.8	308.4	344.5	400.1	488.0	626.5	2978.5	5292.4	5400.7	2896.5
80°	116.1	120.0	245.0	277.2	307.4	245.9	286.9	1146.7	1834.7	1743.0	561.2
82.5°	6.8	15.6	188.4	200.1	210.8	105.4	108.3	389.4	442.1	406.0	99.5
85°	0.0	0.0	85.9	69.3	73.2	30.3	31.2	90.8	59.5	64.4	19.5
87.5°	0.0	0.0	0.0	2.0	0.0	2.9	5.9	7.8	2.9	3.9	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948413

CATALOG NUMBER: GALN-SB3C-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3	1812.3
2.5°	1836.7	1768.4	1629.8	1494.1	1383.9	1281.4	1208.2	1138.9	1103.8	1101.8	1099.9
5°	1892.3	1748.9	1471.7	1226.7	1029.6	871.5	769.0	695.8	658.7	646.1	644.1
7.5°	1970.4	1754.7	1333.1	992.5	760.2	624.6	566.0	542.6	534.8	526.0	524.1
10°	2069.0	1768.4	1209.2	799.3	599.2	530.9	507.5	497.7	491.9	486.0	484.1
12.5°	2179.2	1781.1	1086.2	663.6	527.0	491.9	475.3	463.6	455.8	448.9	447.0
15°	2286.6	1788.9	958.4	569.0	489.9	461.6	444.0	431.4	420.6	412.8	411.8
17.5°	2393.0	1799.6	838.3	512.4	459.7	431.4	413.8	398.2	389.4	380.6	379.6
20°	2511.0	1797.6	725.1	472.3	429.4	401.1	382.6	367.9	359.1	349.4	348.4
22.5°	2620.3	1787.9	625.6	438.2	398.2	370.9	350.4	335.7	326.9	319.1	318.2
25°	2746.2	1780.1	542.6	407.0	368.9	341.6	319.1	305.5	295.7	288.9	287.9
27.5°	2867.3	1768.4	482.1	378.7	340.6	314.2	292.8	277.2	268.4	263.5	263.5
30°	2986.3	1765.4	459.7	351.3	315.2	288.9	267.4	252.8	245.9	244.0	243.0
32.5°	3129.8	1773.2	469.4	341.6	291.8	265.5	245.0	234.2	227.4	227.4	227.4
35°	3283.0	1771.3	484.1	350.4	276.2	242.0	226.4	219.6	212.8	212.8	212.8
37.5°	3475.3	1774.2	495.8	365.0	270.3	222.5	213.7	204.9	201.0	201.0	201.0
40°	3762.2	1870.8	489.9	377.7	268.4	208.8	191.3	188.4	185.4	185.4	185.4
42.5°	4113.5	2080.7	497.7	378.7	267.4	199.1	175.7	181.5	174.7	173.7	172.7
45°	4498.0	2310.0	547.5	358.2	266.4	194.2	167.9	174.7	164.0	164.0	164.0
47.5°	4879.6	2537.4	598.2	328.9	263.5	193.2	161.0	157.1	154.2	155.2	155.2
50°	5405.6	2722.8	617.8	288.9	256.7	191.3	148.3	149.3	147.4	149.3	149.3
52.5°	5978.5	2761.9	594.3	244.0	237.1	185.4	139.6	143.5	142.5	144.4	144.4
55°	6335.7	2719.9	490.9	203.0	206.9	162.0	130.8	138.6	138.6	138.6	138.6
57.5°	6704.6	2541.3	348.4	164.9	171.8	132.7	123.0	133.7	132.7	131.7	131.7
60°	6970.0	2252.4	229.3	135.7	136.6	109.3	114.2	125.9	124.9	120.0	120.0
62.5°	7168.1	1933.3	147.4	115.2	104.4	98.6	104.4	114.2	110.3	99.5	97.6
65°	7145.7	1491.2	113.2	98.6	85.9	85.9	90.8	99.5	87.8	70.3	68.3
67.5°	6729.0	1009.1	93.7	83.0	72.2	71.2	75.1	83.0	75.1	59.5	57.6
70°	5984.3	659.7	75.1	64.4	57.6	52.7	60.5	71.2	63.4	47.8	45.9
72.5°	4857.2	402.1	56.6	46.8	42.0	34.2	47.8	58.6	50.7	35.1	33.2
75°	3142.5	204.9	39.0	30.3	22.4	20.5	35.1	43.9	35.1	21.5	18.5
77.5°	1202.3	85.9	21.5	13.7	11.7	9.8	19.5	26.3	14.6	4.9	3.9
80°	231.3	36.1	10.7	6.8	5.9	3.9	2.9	2.0	0.0	0.0	0.0
82.5°	40.0	11.7	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	0.0	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)