

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: P954529

Luminaire Tested: **GALN-SB7D-730-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-730-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 74293 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 512.8
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

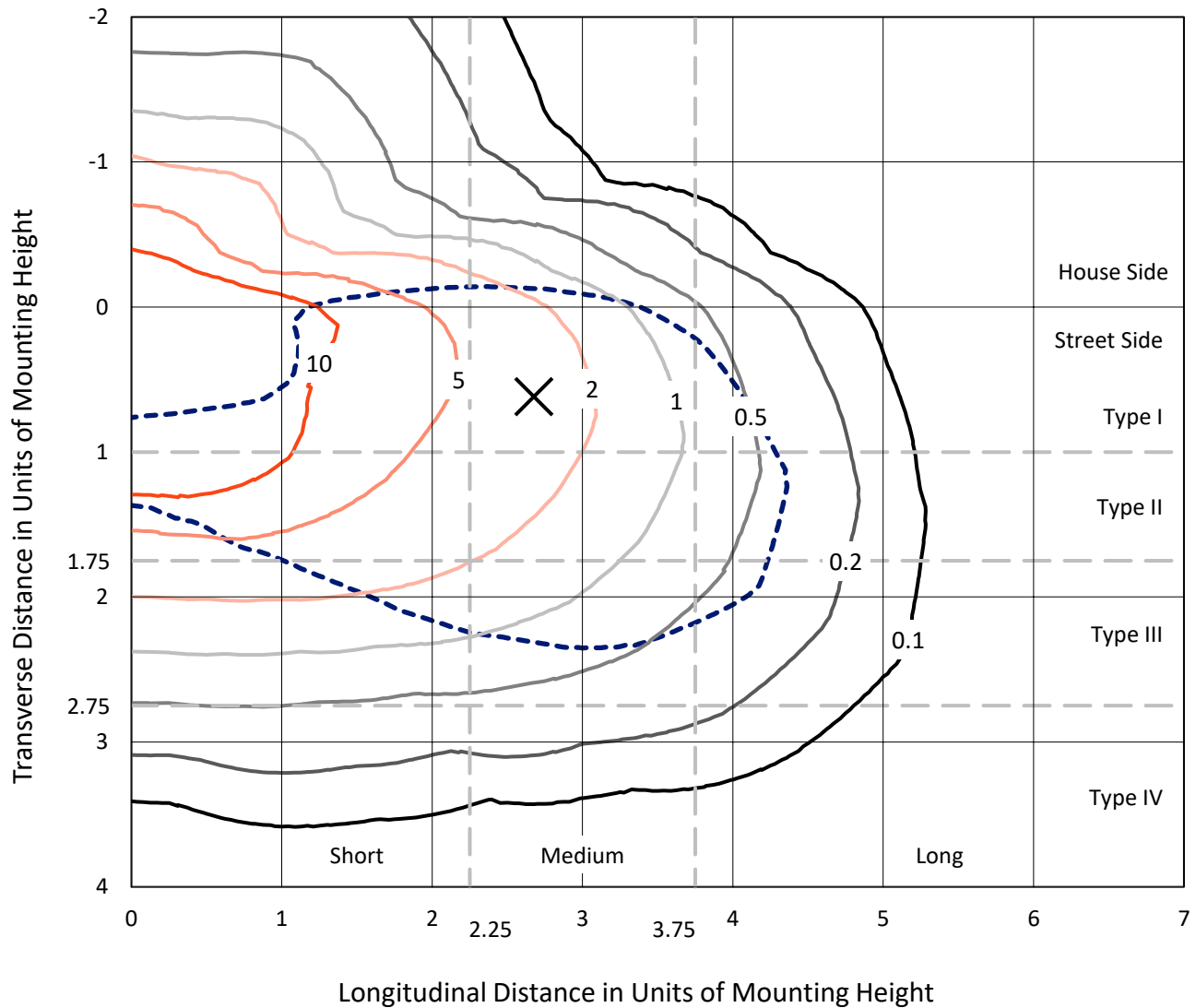


REPORT NUMBER: P954529

CATALOG NUMBER: GALN-SB7D-730-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

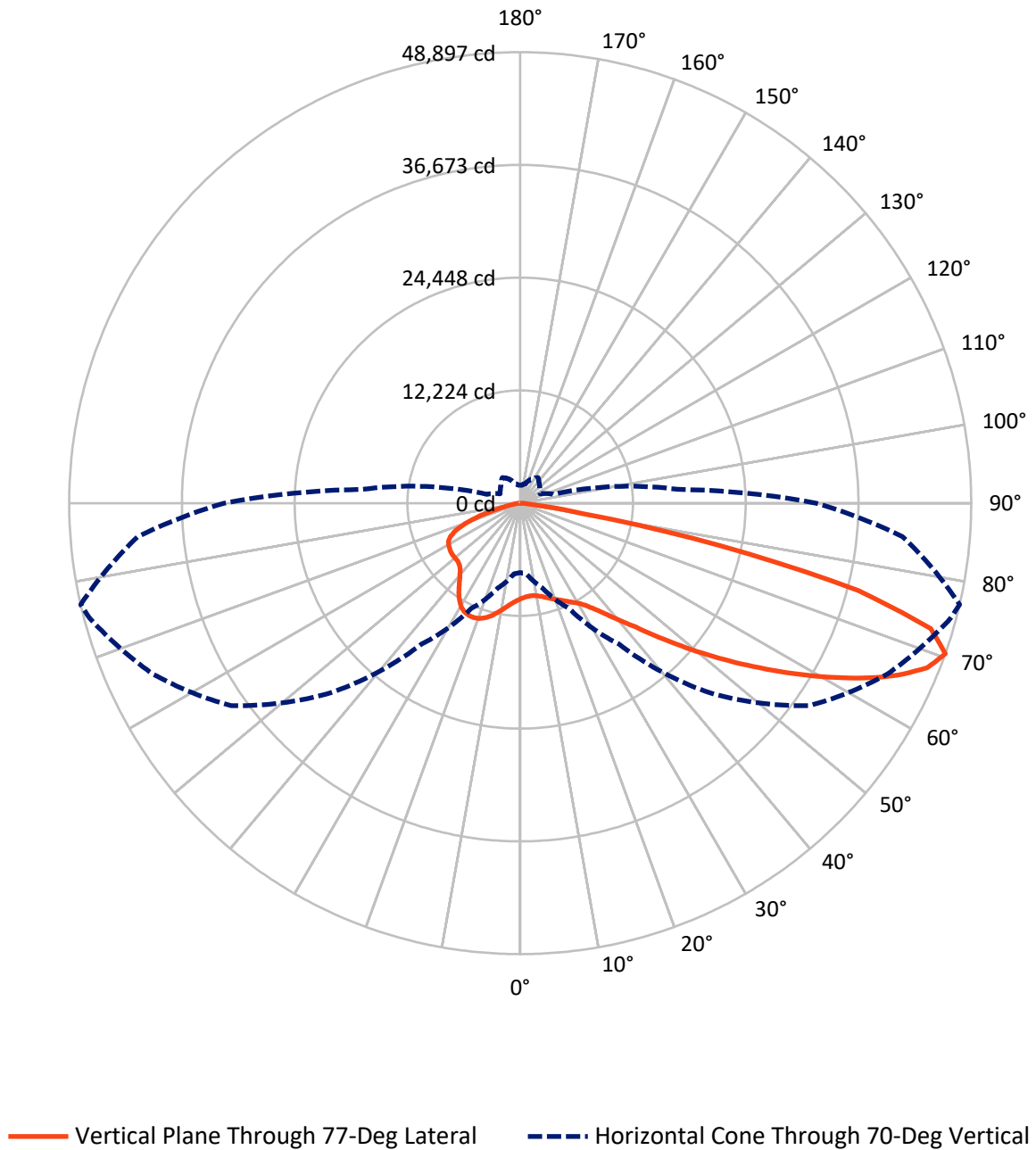


Based on 25 foot mounting height. Maximum calculated value = 19.7 fc
Type III - Medium - N/A

REPORT NUMBER: P954529

CATALOG NUMBER: GALN-SB7D-730-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P954529

CATALOG NUMBER: GALN-SB7D-730-U-T3R

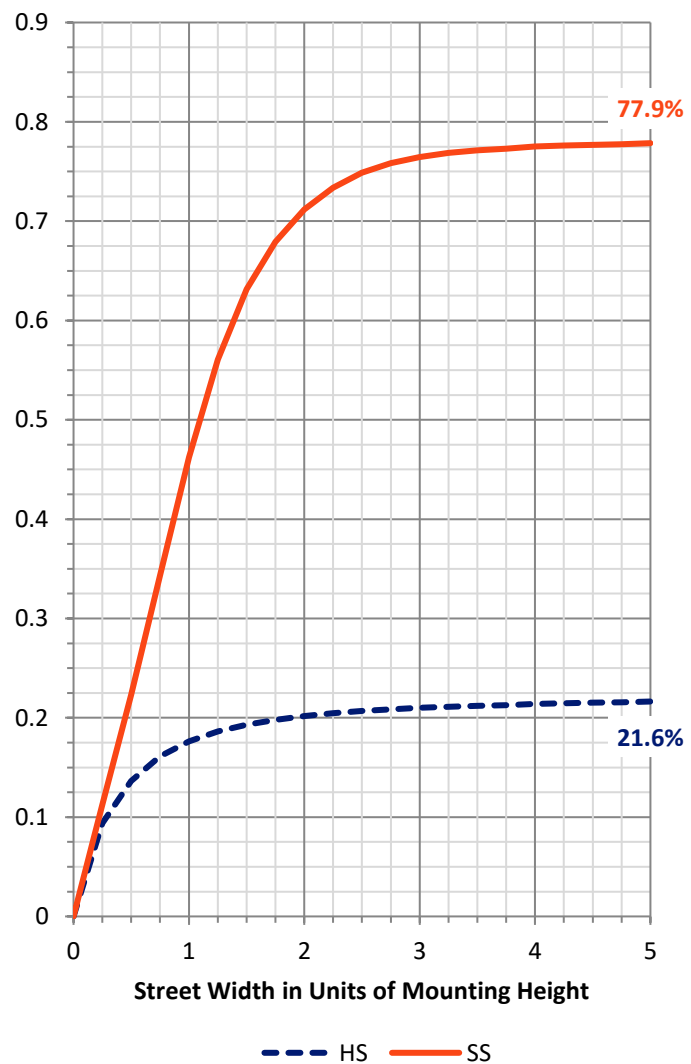
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16269.0	0.0	16269.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	58024.0	0.0	58024.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	74293.0	0.0	74293.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	988.5	1.3
10°-20°	2852.9	3.8
20°-30°	4878.9	6.6
30°-40°	7845.7	10.6
40°-50°	12249.2	16.5
50°-60°	16362.0	22.0
60°-70°	17439.4	23.5
70°-80°	10735.6	14.5
80°-90°	940.7	1.3
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°	74293.0	100.0
0°-180°	74293.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954529

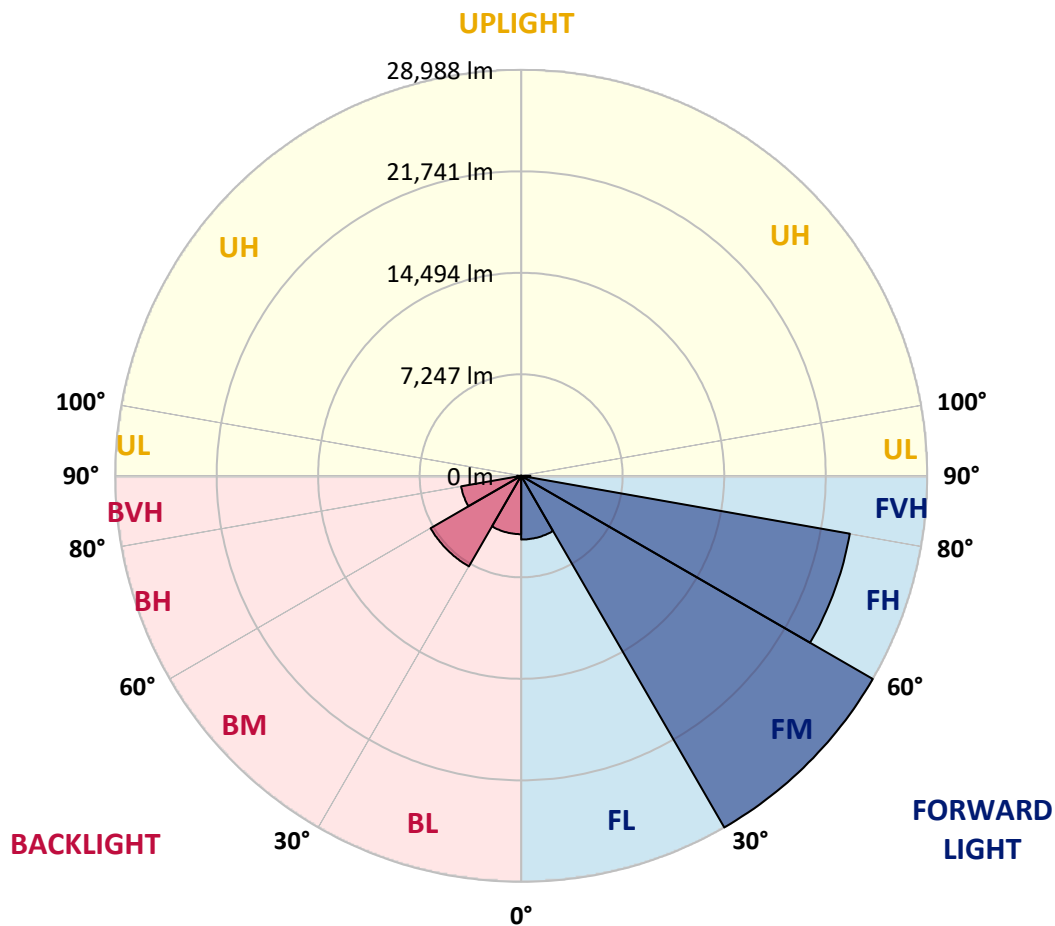
CATALOG NUMBER: GALN-SB7D-730-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4551.6	6.1			
FM	(30°-60°)	28987.5	39.0			
FH	(60°-80°)	23827.0	32.1			G5
FVH	(80°-90°)	657.8	0.9			G4/750
BL	(0°-30°)	4168.6	5.6	B4/5000		
BM	(30°-60°)	7469.5	10.1	B4/8500		
BH	(60°-80°)	4348.0	5.9	B4/5000		G4/5000
BVH	(80°-90°)	282.9	0.4			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 III Medium



REPORT NUMBER: P954529

CATALOG NUMBER: GALN-SB7D-730-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6
2.5°	9554.1	9550.3	9599.8	9615.0	9706.3	9771.0	9892.7	10022.1	10189.5	10208.6	10311.3
5°	9002.4	9002.4	9059.5	9120.3	9238.3	9367.7	9554.1	9778.6	10067.8	10113.4	10368.4
7.5°	8534.4	8564.8	8614.3	8732.2	8869.2	9055.7	9341.0	9660.6	10041.1	10113.4	10524.4
10°	8157.7	8192.0	8252.8	8348.0	8553.4	8812.2	9185.0	9596.0	10105.8	10220.0	10752.7
12.5°	8039.8	8074.0	8108.2	8180.5	8370.8	8675.2	9120.3	9626.4	10261.8	10376.0	11064.7
15°	8313.7	8355.6	8328.9	8309.9	8408.8	8686.6	9150.8	9736.7	10455.9	10619.5	11448.9
17.5°	8945.3	8960.5	8899.7	8720.8	8705.6	8854.0	9295.4	9888.9	10699.4	10878.2	11837.0
20°	9965.0	9938.4	9812.8	9459.0	9257.3	9226.9	9542.7	10117.2	10950.5	11140.8	12255.6
22.5°	11350.0	11319.6	11068.5	10509.1	10060.2	9763.4	9900.4	10414.0	11232.1	11445.1	12662.7
25°	13077.4	13035.6	12666.5	11905.5	11209.2	10474.9	10387.4	10805.9	11578.3	11776.2	13088.9
27.5°	15094.0	15059.8	14660.3	13655.8	12651.3	11448.9	10992.4	11266.3	11939.8	12164.3	13568.3
30°	17262.8	17361.8	16654.1	15573.5	14302.6	12719.8	11806.6	11833.2	12407.8	12609.4	14150.4
32.5°	19812.1	19983.3	19131.0	17761.3	16026.2	14101.0	12833.9	12624.7	13088.9	13256.3	14884.8
35°	22338.6	22532.6	21824.9	20310.6	18313.0	15729.5	13906.9	13534.0	13994.4	14177.1	15858.8
37.5°	24522.6	24781.3	24416.1	23099.6	20759.5	17692.8	15307.1	14603.2	15109.3	15337.6	17167.7
40°	26246.2	26641.9	26615.3	25793.4	23643.7	20074.7	17084.0	15923.5	16494.2	16741.6	18754.4
42.5°	27646.4	27988.9	28285.6	28243.8	26653.3	22779.9	19172.9	17639.5	18073.3	18358.6	20538.9
45°	28612.9	28978.1	29617.4	30306.0	29548.9	25675.5	21566.2	19675.1	20070.9	20500.8	22665.8
47.5°	29476.6	29891.3	30720.8	31812.8	32006.8	28582.4	24187.8	22045.6	22407.1	22852.2	24800.3
50°	29552.7	29910.3	31196.4	32745.0	33753.3	31375.2	27003.4	24705.2	25043.9	25519.5	27087.1
52.5°	27714.9	28278.0	30522.9	32718.3	34556.1	33711.4	29800.0	27471.4	27851.9	28422.6	29453.7
55°	21512.9	22338.6	28548.2	31698.6	34270.7	35222.0	32459.6	30412.6	30899.6	31497.0	31835.6
57.5°	18529.9	18891.3	22662.0	29841.8	32969.5	35613.9	34704.5	33384.2	34168.0	34822.5	34354.5
60°	16654.1	16954.6	19184.3	26953.9	31257.3	34993.7	36439.5	36154.2	37508.7	38288.7	36930.4
62.5°	14645.1	14930.4	16958.4	22506.0	29065.6	33962.5	37535.4	38711.1	40933.1	41785.4	39357.9
65°	12651.3	12894.8	14839.1	18910.4	26280.5	32931.4	38102.3	40921.7	44102.6	44985.3	41374.5
67.5°	10429.2	10630.9	12468.7	15954.0	22894.1	31519.8	38383.8	42660.6	46861.2	47618.3	42371.4
70°	7526.1	7682.1	9580.7	12617.1	18644.0	29092.3	38269.7	43893.3	48291.8	48896.8	41618.0
72.5°	3557.6	3698.4	5928.0	8192.0	13168.8	24366.6	35960.1	42915.5	46838.3	46537.7	37006.5
75°	1898.6	2020.4	3405.4	4493.6	6955.4	16703.5	29427.1	36968.4	39331.3	37870.2	27349.6
77.5°	1286.1	1381.2	2107.9	2697.7	3177.1	7929.4	18914.2	25595.6	24625.3	22213.0	13697.6
80°	1019.7	1118.6	1727.4	1826.4	1537.2	2865.1	7815.3	11848.5	8511.6	6807.0	3896.2
82.5°	783.8	894.2	1453.5	1324.1	837.1	1175.7	2275.3	3747.8	2180.2	1658.9	943.6
85°	479.4	597.4	1141.5	844.7	471.8	536.5	772.4	1042.5	665.9	555.5	338.6
87.5°	243.5	342.4	578.3	308.2	213.1	125.6	205.5	205.5	175.0	152.2	87.5
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: P954529

CATALOG NUMBER: GALN-SB7D-730-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6	10364.6
2.5°	10402.6	10478.7	10608.1	10729.8	10824.9	10916.3	11007.6	11057.0	11072.3	11133.1	11167.4
5°	10524.4	10665.1	10916.3	11152.2	11300.6	11391.9	11456.6	11494.6	11502.2	11521.2	11551.7
7.5°	10748.8	10973.3	11323.4	11559.3	11669.6	11662.0	11635.4	11540.3	11502.2	11468.0	11475.6
10°	11064.7	11361.4	11791.4	11955.0	11886.5	11703.9	11468.0	11190.2	11060.8	10935.3	10897.2
12.5°	11456.6	11833.2	12255.6	12248.0	11909.3	11441.3	10893.4	10467.3	10197.1	10003.1	9957.4
15°	11932.2	12365.9	12689.3	12430.6	11688.7	10847.8	10044.9	9489.4	9245.9	9032.8	9010.0
17.5°	12423.0	12887.2	13035.6	12373.5	11133.1	9968.8	9059.5	8621.9	8382.2	8268.1	8302.3
20°	12902.4	13362.8	13241.1	12046.3	10288.5	8972.0	8161.5	7921.8	7872.3	7899.0	7887.6
22.5°	13408.5	13819.4	13282.9	11414.7	9211.7	7952.2	7507.1	7514.7	7625.0	7704.9	7723.9
25°	13925.9	14203.7	13172.6	10501.5	8055.0	7202.7	7092.3	7214.1	7431.0	7587.0	7628.8
27.5°	14424.4	14546.1	12932.9	9371.5	7061.9	6666.2	6685.2	6936.3	7263.6	7480.4	7533.7
30°	14987.5	14850.5	12472.5	8100.6	6373.2	6205.8	6365.6	6658.6	6985.8	7179.8	7225.5
32.5°	15622.9	15113.1	11741.9	6924.9	5886.2	5836.7	6099.3	6289.5	6434.1	6491.2	6521.6
35°	16414.3	15482.1	10805.9	6099.3	5448.6	5566.6	5817.7	5722.6	5665.5	5635.1	5665.5
37.5°	17441.7	15980.6	9710.1	5562.8	5094.8	5372.5	5475.3	5178.5	4954.0	4843.6	4870.3
40°	18678.3	16711.1	8656.2	5148.0	4870.3	5205.1	5026.3	4668.6	4383.2	4227.2	4238.7
42.5°	20051.8	17475.9	7769.6	4836.0	4744.7	5068.1	4695.2	4269.1	3808.7	3759.2	3808.7
45°	21493.9	18263.5	7164.6	4596.3	4683.8	4950.2	4505.0	3816.3	3489.1	3690.8	3797.3
47.5°	22935.9	18986.5	6799.4	4417.5	4653.4	4817.0	4337.6	3565.2	3333.1	3626.1	3763.0
50°	24541.6	19633.3	6635.7	4288.1	4619.2	4763.7	4086.5	3500.5	3169.5	3363.5	3508.1
52.5°	26135.9	20135.5	6514.0	4158.8	4569.7	4721.9	3964.7	3424.4	2971.6	2983.0	3062.9
55°	27726.3	20462.8	6380.8	3987.5	4459.3	4630.6	3953.3	3340.7	2823.2	2770.0	2808.0
57.5°	29423.3	20649.2	6217.2	3797.3	4269.1	4398.5	3941.9	3276.0	2777.6	2690.1	2701.5
60°	31150.7	20923.2	6004.1	3565.2	4014.2	4120.7	3915.2	3253.2	2750.9	2602.6	2614.0
62.5°	32699.3	21018.3	5749.2	3344.5	3686.9	3846.8	3858.2	3234.2	2678.7	2423.7	2423.7
65°	33715.2	20607.3	5304.0	3093.4	3333.1	3565.2	3747.8	3169.5	2549.3	2294.4	2294.4
67.5°	33673.4	19435.4	4607.7	2770.0	2990.7	3253.2	3588.0	3059.1	2393.3	2134.5	2146.0
70°	32105.8	17122.1	3725.0	2393.3	2614.0	2918.4	3382.6	2895.5	2206.8	1959.5	1982.4
72.5°	27536.1	13400.9	2705.3	1951.9	2176.4	2572.1	3116.2	2697.7	2016.6	1803.5	1792.1
75°	19671.3	8481.1	1834.0	1499.1	1693.2	2180.2	2785.2	2465.6	1841.6	1811.1	1708.4
77.5°	10048.7	4052.2	1213.8	1095.8	1179.5	1719.8	2340.0	2203.0	1868.2	1495.3	1331.7
80°	3268.4	1495.3	764.8	745.8	783.8	1145.3	1811.1	1807.3	1415.4	1015.9	898.0
82.5°	1042.5	643.0	498.4	479.4	460.4	719.1	1263.2	1430.6	955.0	643.0	639.2
85°	414.7	384.3	293.0	270.1	194.0	338.6	662.1	951.2	711.5	464.2	475.6
87.5°	152.2	152.2	79.9	57.1	41.9	114.1	178.8	285.4	407.1	239.7	235.9
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)