

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: P528336

Luminaire Tested: **GALN-SA3B-830-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3B-830-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11441 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 121
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

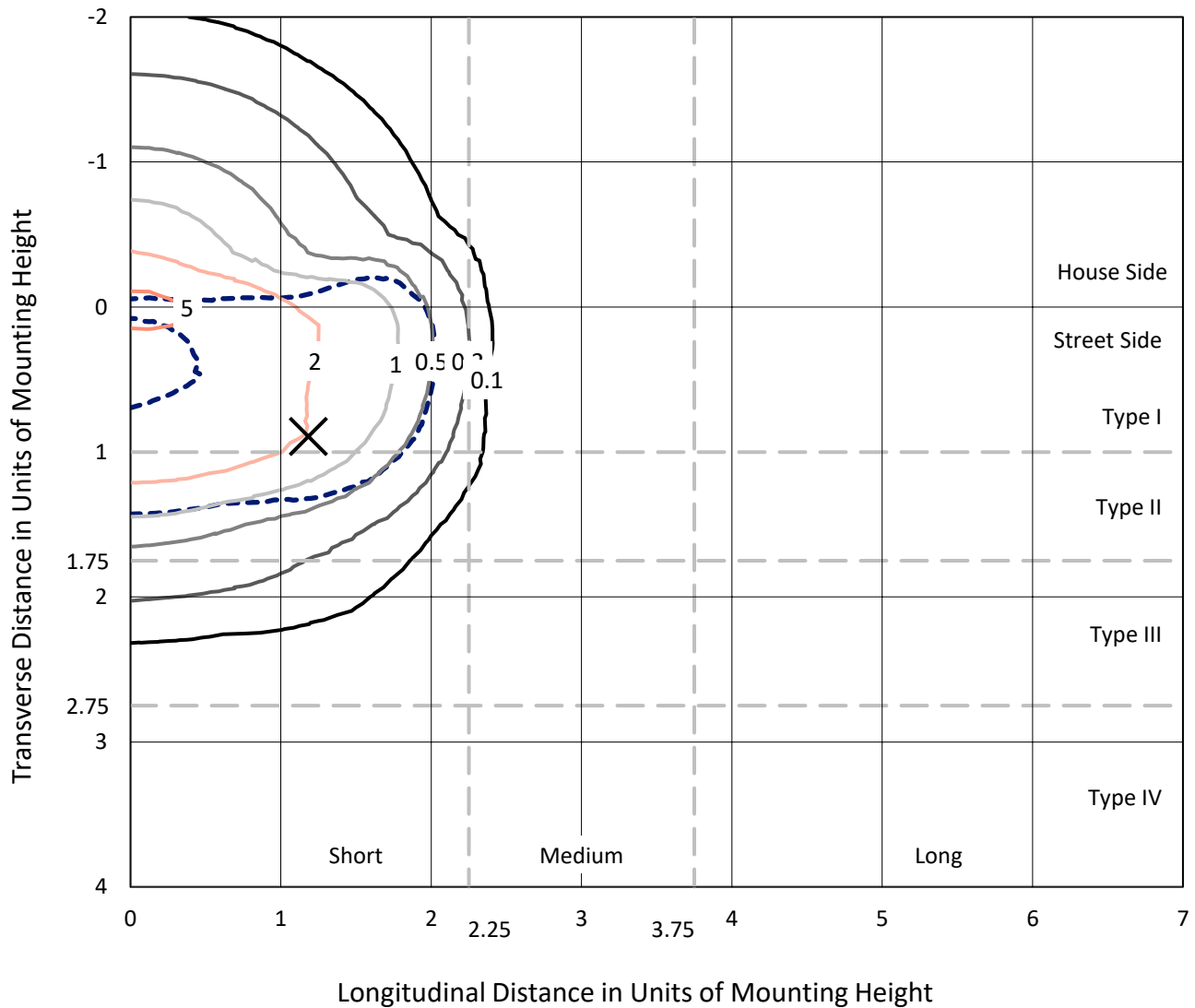


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

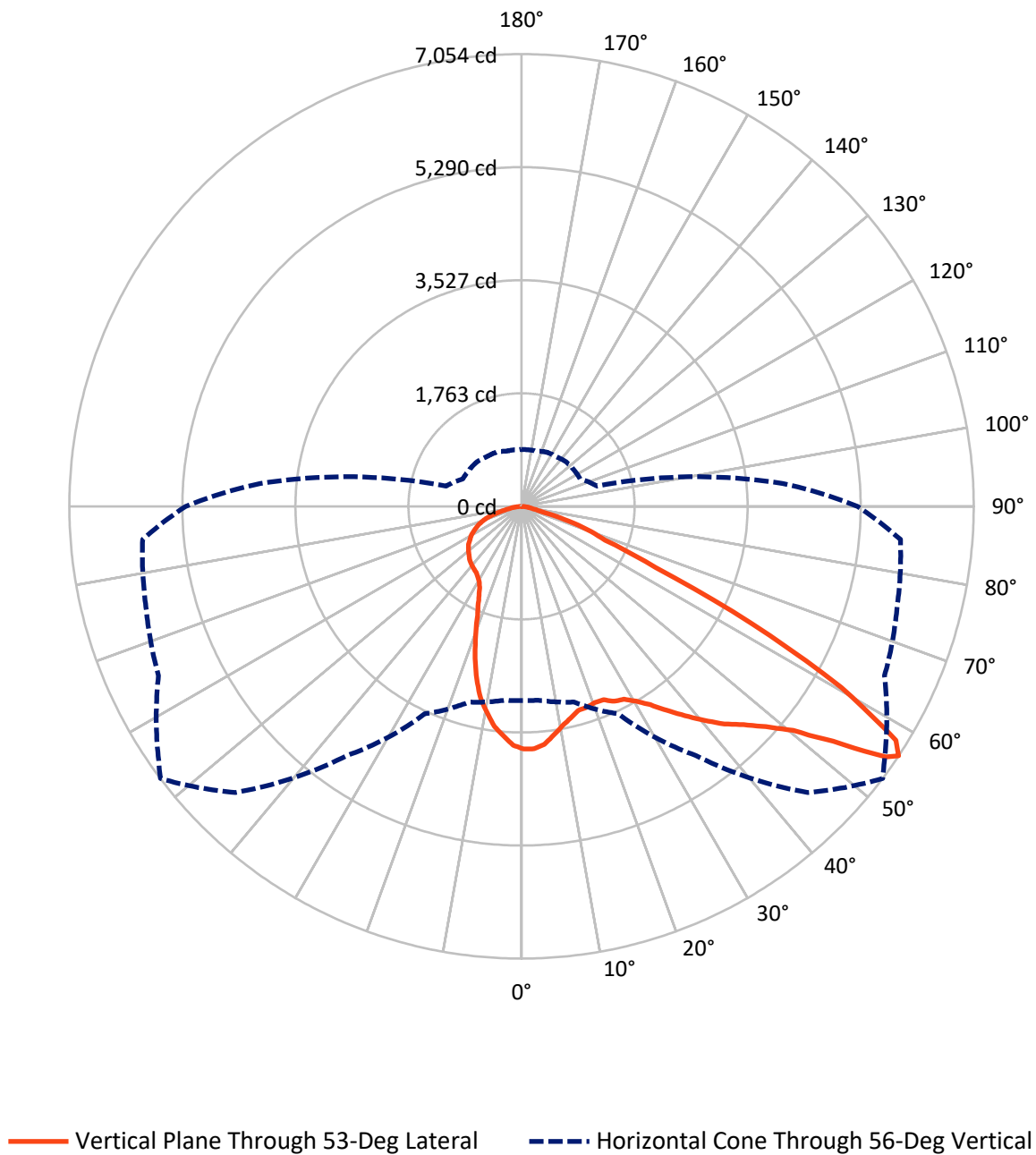


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3338.7	0.0	3338.7
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	8102.3	0.0	8102.3
	% Fixture	70.8	0.0	70.8
Total	Lumens	11441.0	0.0	11441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.1	2.9
10°-20°	836.9	7.3
20°-30°	1234.1	10.8
30°-40°	1763.3	15.4
40°-50°	2426.9	21.2
50°-60°	2868.0	25.1
60°-70°	1528.4	13.4
70°-80°	387.8	3.4
80°-90°	60.5	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°	11441.0	100.0
0°-180°	11441.0	100.0

Coefficient of Utilization



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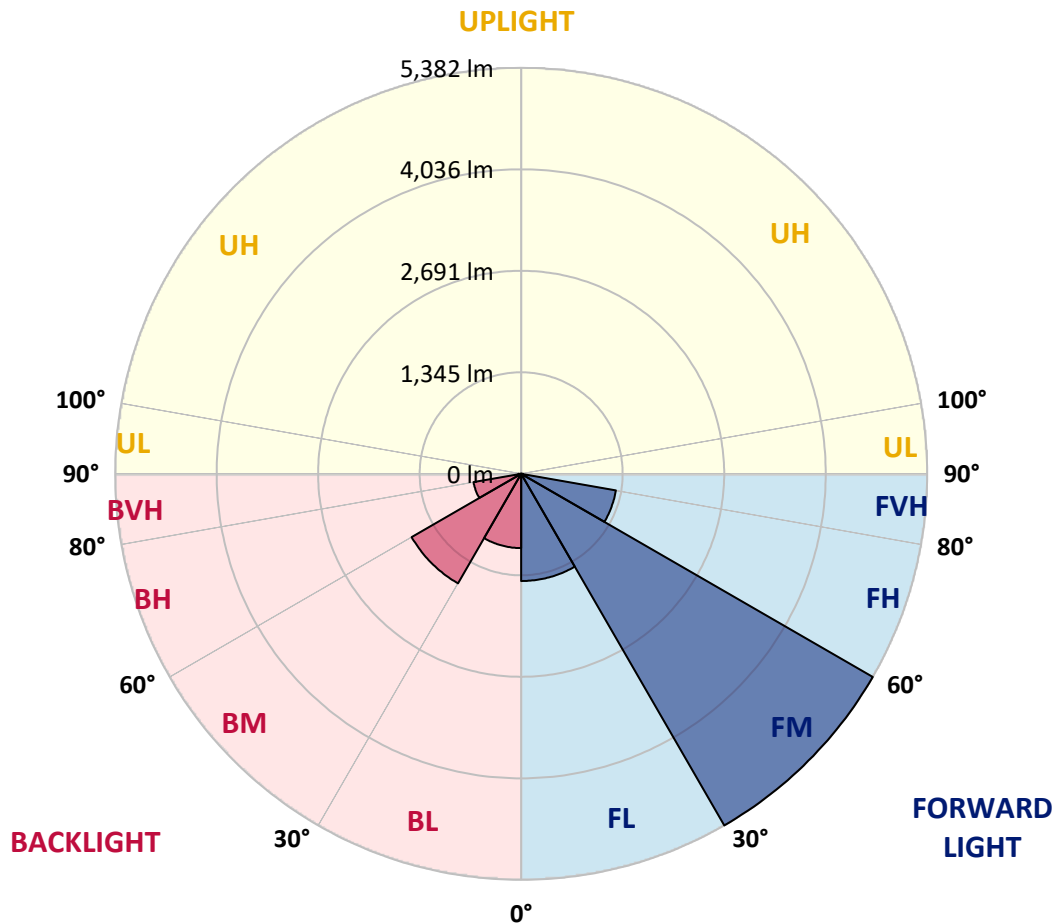
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1421.4	12.4			
FM	(30°-60°)	5381.6	47.0			
FH	(60°-80°)	1275.0	11.1			G1/1800
FVH	(80°-90°)	24.3	0.2			G1/100
BL	(0°-30°)	984.7	8.6	B2/1000		
BM	(30°-60°)	1676.6	14.7	B2/2500		
BH	(60°-80°)	641.2	5.6	B2/1000		G2/1000
BVH	(80°-90°)	36.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1
2.5°	3738.2	3705.9	3725.0	3717.6	3777.8	3795.4	3786.6	3793.9	3827.7	3811.6	3777.8
5°	3493.1	3538.6	3547.4	3569.4	3604.6	3673.6	3727.9	3742.6	3758.7	3833.6	3826.2
7.5°	3270.0	3300.8	3284.7	3349.2	3425.6	3537.1	3603.1	3614.9	3763.1	3804.2	3835.0
10°	3129.1	3098.3	3171.6	3189.3	3275.9	3403.5	3482.8	3531.2	3666.3	3829.2	3848.2
12.5°	2998.5	2988.2	3032.2	3082.1	3179.0	3311.1	3391.8	3410.9	3619.3	3791.0	3880.5
15°	2901.6	2889.9	2933.9	2970.6	3083.6	3201.0	3303.7	3358.0	3567.9	3769.0	3852.6
17.5°	2825.3	2823.8	2848.8	2914.8	3030.7	3129.1	3294.9	3297.9	3541.5	3802.7	3876.1
20°	2820.9	2819.4	2823.8	2897.2	3002.9	3123.2	3267.0	3293.5	3541.5	3779.3	3877.6
22.5°	2857.6	2834.1	2860.5	2907.5	2983.8	3133.5	3277.3	3336.0	3626.6	3895.2	3943.6
25°	2916.3	2922.1	2936.8	2953.0	2997.0	3157.0	3368.3	3416.7	3726.4	3995.0	4034.6
27.5°	3023.4	3020.5	3026.3	3035.2	3073.3	3179.0	3405.0	3529.8	3934.8	4172.6	4133.0
30°	3180.5	3170.2	3193.7	3224.5	3189.3	3249.4	3526.8	3620.8	4128.6	4351.7	4243.0
32.5°	3322.8	3361.0	3405.0	3418.2	3375.7	3387.4	3688.3	3783.7	4290.0	4571.8	4378.1
35°	3500.4	3531.2	3589.9	3631.0	3623.7	3588.5	3908.4	4034.6	4523.4	4733.3	4520.4
37.5°	3673.6	3710.3	3807.1	3929.0	3861.5	3845.3	4143.2	4247.5	4595.3	4819.8	4624.6
40°	3952.4	3951.0	4118.3	4181.4	4241.6	4213.7	4386.9	4422.1	4633.4	4800.8	4627.6
42.5°	4279.7	4259.2	4429.4	4527.8	4605.6	4608.5	4640.8	4629.0	4651.1	4703.9	4596.8
45°	4590.9	4634.9	4806.6	4982.8	5060.5	5069.3	4855.1	4833.1	4681.9	4676.0	4538.1
47.5°	4971.0	4981.3	5122.2	5354.1	5534.6	5473.0	5132.5	5084.0	4816.9	4862.4	4636.4
50°	4993.0	5069.3	5195.6	5468.6	6023.3	6007.2	5492.0	5401.0	5034.1	5126.6	4910.8
52.5°	4532.2	4514.6	4664.3	5110.4	5986.6	6538.5	6087.9	5870.7	5500.8	5430.4	5355.5
55°	3453.4	3494.5	3626.6	4077.2	5198.5	6545.8	6899.5	6722.0	5999.9	5879.5	5792.9
56°	3029.3	3035.2	3159.9	3570.9	4743.5	6312.5	7053.6	6909.8	6247.9	6064.4	5932.3
57.5°	2511.2	2477.4	2542.0	2766.6	4003.8	5819.3	6884.9	7025.8	6538.5	6264.0	6080.6
60°	1977.0	1969.6	1943.2	1984.3	2530.3	4383.9	5731.3	6048.3	6509.1	6076.2	5823.7
62.5°	1614.4	1577.8	1630.6	1689.3	1758.3	2719.6	4027.3	4213.7	5167.7	4850.7	4375.1
65°	1251.9	1234.3	1300.4	1491.2	1532.3	1727.5	2294.0	2437.8	3051.3	2997.0	2638.9
67.5°	861.5	864.5	921.7	1212.3	1420.7	1403.1	1404.6	1479.4	1592.4	1182.9	1030.3
70°	546.0	544.5	575.3	780.8	1143.3	1155.1	1096.4	1074.3	1018.6	616.4	653.1
72.5°	350.8	340.5	356.6	431.5	591.5	683.9	704.5	717.7	590.0	484.3	525.4
75°	198.1	187.9	182.0	201.1	233.4	270.1	296.5	305.3	342.0	366.9	388.9
77.5°	60.2	54.3	66.0	88.1	115.9	155.6	189.3	195.2	230.4	259.8	281.8
80°	26.4	29.4	41.1	58.7	82.2	110.1	133.6	142.4	165.8	187.9	193.7
82.5°	16.1	17.6	27.9	39.6	57.2	77.8	95.4	98.3	121.8	139.4	143.8
85°	5.9	7.3	14.7	23.5	36.7	49.9	49.9	54.3	49.9	49.9	54.3
87.5°	0.0	0.0	1.5	2.9	2.9	4.4	5.9	5.9	7.3	8.8	10.3
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°	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1	3785.1
2.5°	3795.4	3788.1	3776.3	3733.8	3729.4	3716.2	3642.8	3631.0	3642.8	3607.5	3610.5
5°	3788.1	3810.1	3722.0	3679.5	3600.2	3543.0	3476.9	3443.2	3383.0	3344.8	3387.4
7.5°	3820.4	3811.6	3701.5	3609.0	3490.1	3344.8	3228.9	3162.8	3057.2	3027.8	3049.8
10°	3808.6	3761.7	3632.5	3510.7	3286.1	3158.4	2970.6	2788.6	2688.8	2637.4	2630.1
12.5°	3792.5	3779.3	3563.5	3353.6	3117.3	2848.8	2584.6	2412.9	2249.9	2179.5	2189.8
15°	3811.6	3700.0	3434.4	3168.7	2854.6	2502.4	2217.7	1996.0	1883.0	1837.5	1837.5
17.5°	3802.7	3661.8	3372.7	2961.8	2564.0	2147.2	1834.6	1701.0	1654.1	1654.1	1667.3
20°	3807.1	3686.8	3248.0	2754.8	2220.6	1808.2	1580.7	1532.3	1552.8	1560.1	1567.5
22.5°	3832.1	3604.6	3126.1	2527.3	1902.1	1546.9	1435.4	1436.9	1473.5	1513.2	1505.8
25°	3862.9	3572.3	2977.9	2301.3	1658.5	1419.2	1384.0	1379.6	1407.5	1428.0	1431.0
27.5°	3836.5	3516.5	2826.7	2019.5	1458.9	1334.1	1326.8	1329.7	1338.5	1379.6	1366.4
30°	3923.1	3532.7	2637.4	1783.2	1348.8	1306.2	1297.4	1293.0	1306.2	1318.0	1307.7
32.5°	4030.2	3475.5	2496.5	1555.7	1294.5	1285.7	1268.1	1262.2	1269.5	1257.8	1263.7
35°	4077.2	3465.2	2313.1	1392.8	1251.9	1244.6	1234.3	1232.8	1234.3	1224.0	1215.2
37.5°	4103.6	3513.6	2103.2	1318.0	1225.5	1232.8	1209.4	1206.4	1180.0	1185.9	1190.3
40°	4149.1	3438.8	1932.9	1246.1	1209.4	1194.7	1174.1	1169.7	1152.1	1141.9	1152.1
42.5°	4083.1	3416.7	1765.6	1215.2	1185.9	1169.7	1155.1	1130.1	1124.2	1115.4	1109.6
45°	4030.2	3290.5	1615.9	1177.1	1158.0	1149.2	1121.3	1094.9	1072.9	1081.7	1068.5
47.5°	4069.9	3246.5	1467.7	1144.8	1119.8	1109.6	1081.7	1061.1	1039.1	1028.8	1025.9
50°	4228.4	3328.7	1342.9	1121.3	1087.5	1081.7	1045.0	1021.5	1001.0	993.6	996.6
52.5°	4607.0	3553.2	1257.8	1072.9	1056.7	1030.3	1009.8	980.4	967.2	943.7	958.4
55°	5087.0	3918.7	1235.8	1027.4	1018.6	995.1	967.2	945.2	920.2	901.2	896.7
56°	5241.1	4093.3	1218.2	1009.8	995.1	981.9	945.2	932.0	892.3	887.9	885.0
57.5°	5365.8	4247.5	1221.1	976.0	961.3	949.6	927.6	895.3	868.9	852.7	860.1
60°	5084.0	3975.9	1165.3	924.6	921.7	899.7	868.9	854.2	821.9	802.8	798.4
62.5°	3779.3	2699.1	945.2	858.6	857.1	833.6	798.4	782.3	776.4	750.0	750.0
65°	2176.6	1692.2	817.5	804.3	792.5	769.1	733.8	720.6	706.0	697.1	689.8
67.5°	929.0	877.7	742.6	741.2	728.0	698.6	663.4	642.8	623.8	606.1	615.0
70°	673.7	683.9	670.7	663.4	647.2	610.6	579.7	554.8	525.4	513.7	522.5
72.5°	534.2	556.2	575.3	576.8	557.7	515.2	481.4	447.6	415.4	399.2	406.5
75°	405.1	419.8	438.8	443.2	415.4	386.0	353.7	318.5	293.5	274.5	277.4
77.5°	292.1	289.1	306.7	303.8	290.6	270.1	240.7	208.4	180.5	162.9	164.4
80°	199.6	204.0	214.3	212.8	196.7	183.5	161.4	135.0	114.5	99.8	96.9
82.5°	139.4	146.8	155.6	148.2	135.0	121.8	105.7	86.6	70.4	58.7	55.8
85°	49.9	57.2	66.0	70.4	74.9	71.9	60.2	48.4	35.2	29.4	27.9
87.5°	10.3	11.7	13.2	13.2	13.2	11.7	10.3	10.3	8.8	4.4	4.4
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)