

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: P192804

Luminaire Tested: **GLEON-AF-06-LED-E1-SL2-7030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24287)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLEON-AF-06-LED-E1-SL2-7030-1200-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31285.3 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 382
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: 25 FT

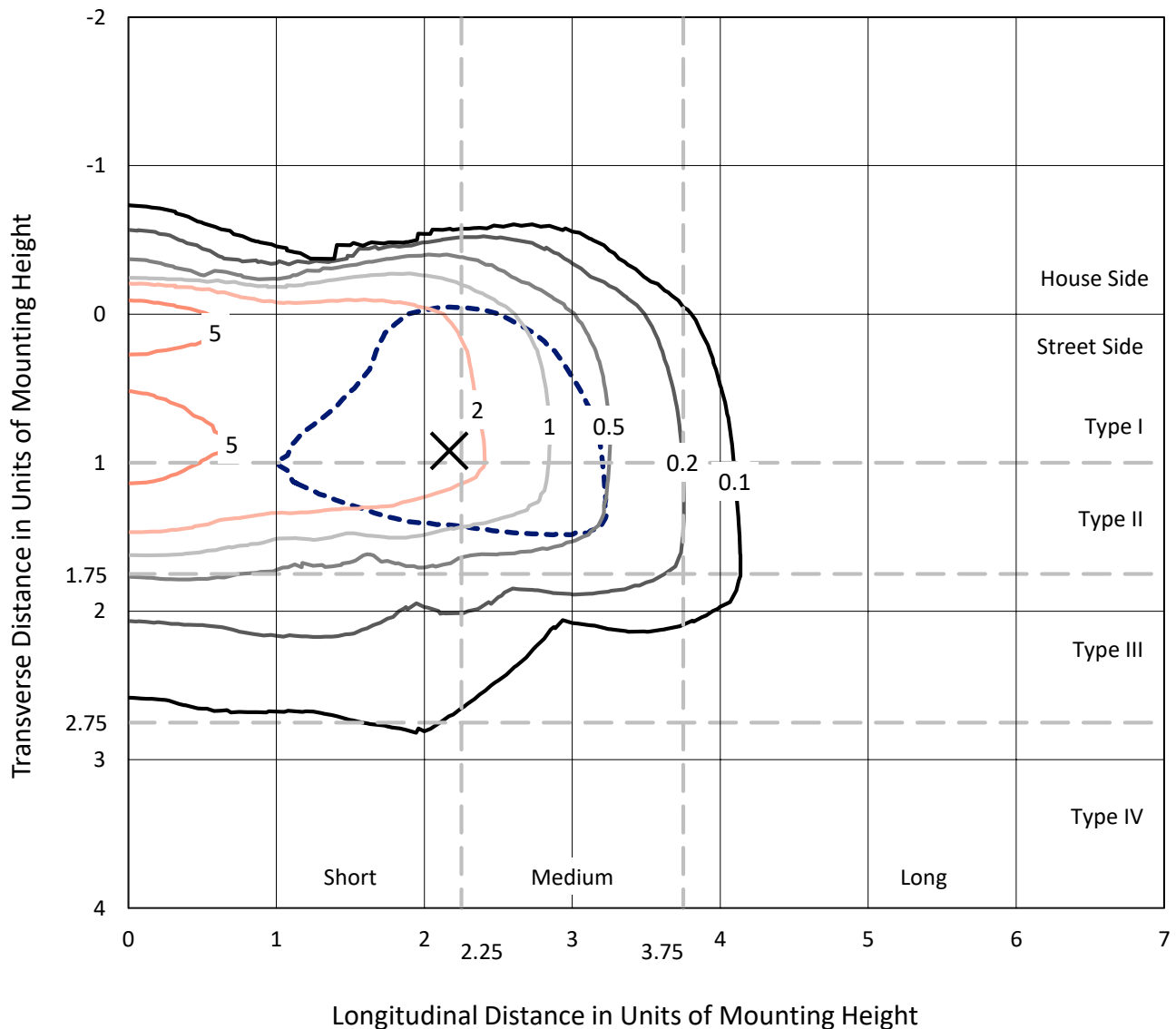


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

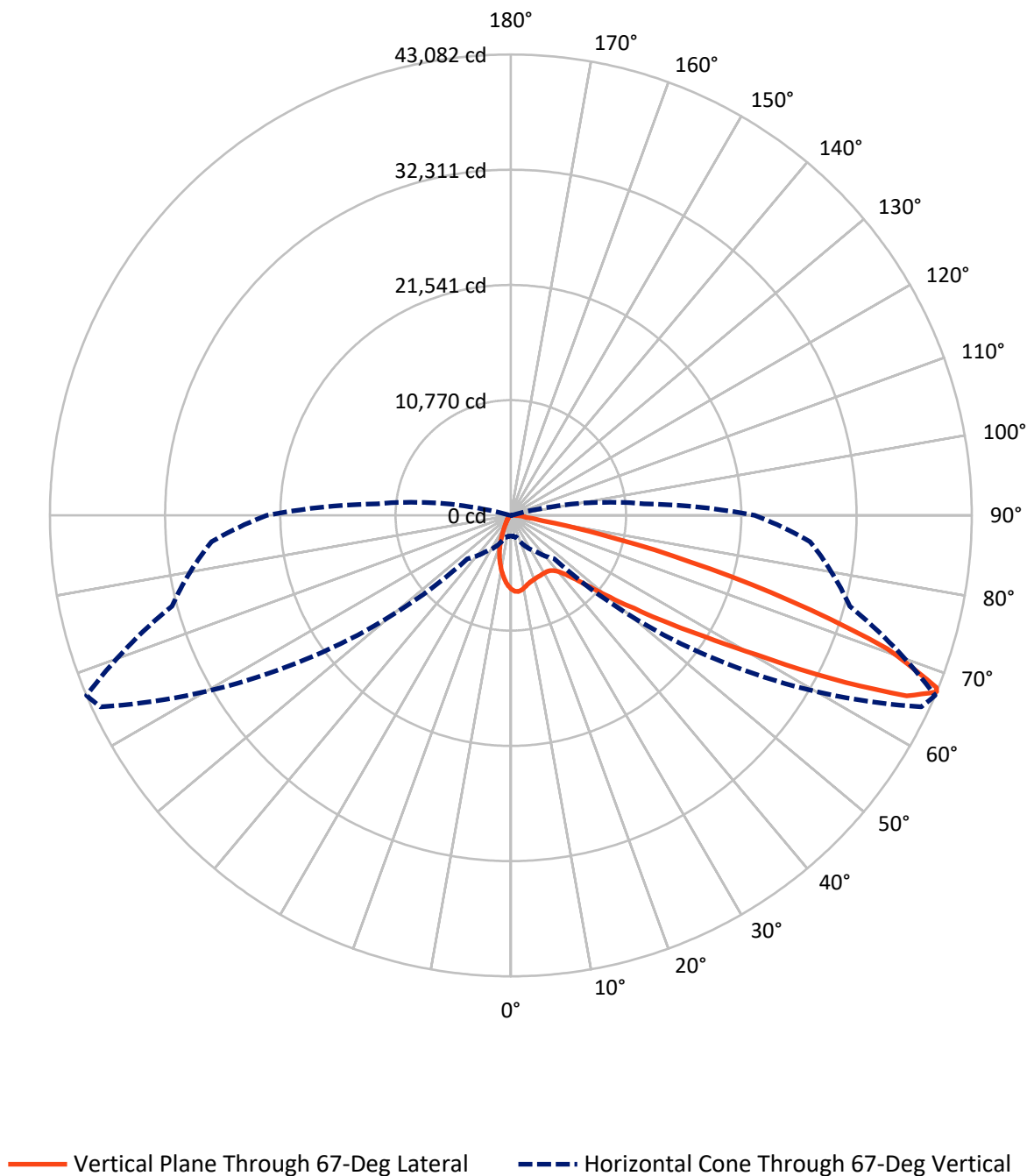


Based on 30 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3248.3	0.0	3248.3
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	28036.9	0.0	28036.9
	% Fixture	89.6	0.0	89.6
Total	Lumens	31285.3	0.0	31285.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.4	1.8
10°-20°	1194.9	3.8
20°-30°	1737.3	5.6
30°-40°	2710.2	8.7
40°-50°	4801.0	15.3
50°-60°	7597.1	24.3
60°-70°	8701.4	27.8
70°-80°	3609.3	11.5
80°-90°	372.8	1.2
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°	31285.3	100.0
0°-180°	31285.3	100.0

Coefficient of Utilization



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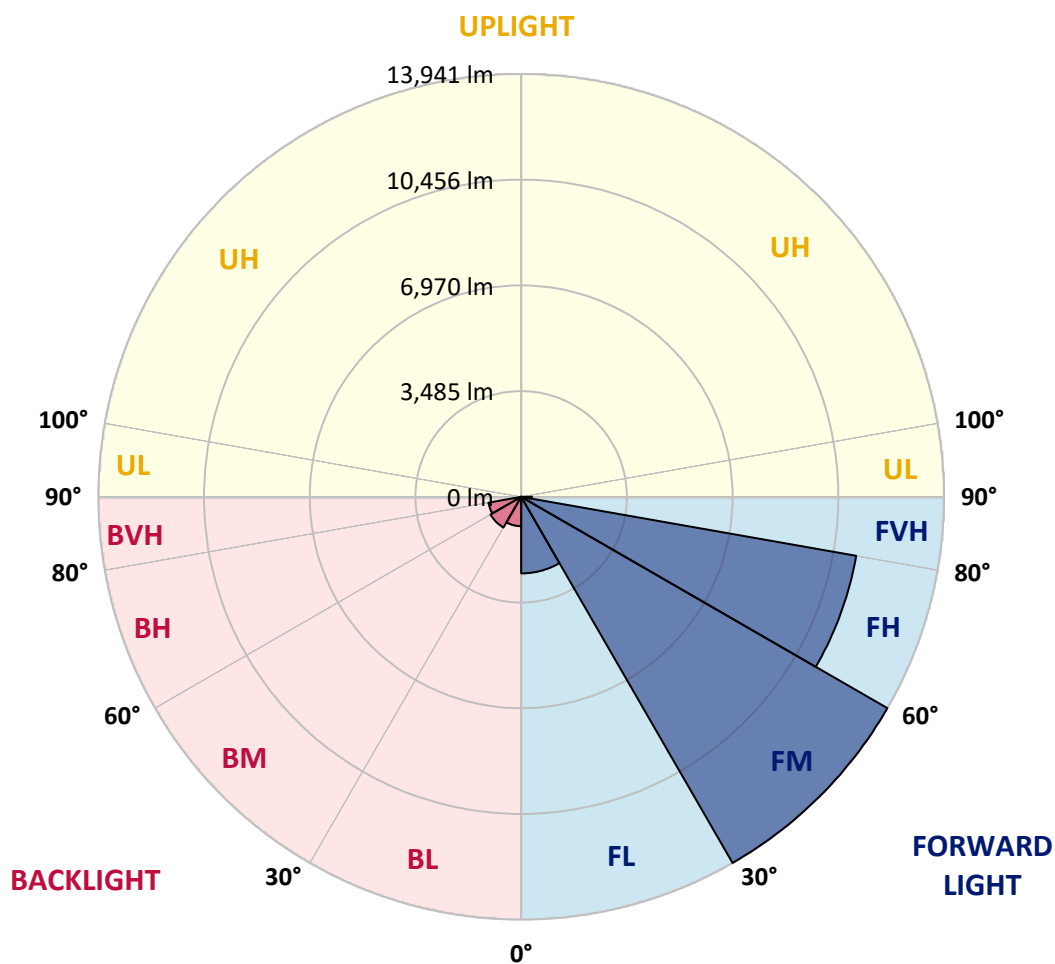
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2524.2	8.1			
FM	(30°-60°)	13940.8	44.6			
FH	(60°-80°)	11215.9	35.9			G4/12000
FVH	(80°-90°)	356.0	1.1			G3/500
BL	(0°-30°)	969.3	3.1	B2/1000		
BM	(30°-60°)	1167.4	3.7	B2/2500		
BH	(60°-80°)	1094.8	3.5	B3/2500		G3/2500
BVH	(80°-90°)	16.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6
2.5°	7133.1	7147.7	7145.9	7156.8	7182.3	7184.3	7158.6	7109.4	7098.5	7034.5	6923.3
5°	6578.4	6620.3	6645.9	6749.9	6866.7	7007.3	7113.1	7151.3	7145.9	7100.3	6932.4
7.5°	5945.3	5987.2	6016.4	6138.6	6293.8	6534.6	6810.1	7036.4	7056.5	7105.7	6925.1
10°	5523.7	5530.9	5571.1	5687.9	5850.3	6096.6	6425.1	6821.0	6881.3	7062.0	6906.9
12.5°	5176.9	5182.3	5235.3	5361.3	5534.6	5782.8	6127.7	6585.7	6678.8	7007.3	6903.2
15°	4930.7	4950.6	4998.2	5129.5	5313.9	5560.2	5914.2	6412.3	6523.7	6987.1	6936.1
17.5°	4848.5	4870.3	4885.0	4979.9	5147.8	5388.6	5751.7	6299.3	6425.1	6998.0	6999.9
20°	4934.2	4950.6	4917.9	4941.6	5045.6	5261.0	5615.0	6202.5	6352.2	7010.8	7082.0
22.5°	5253.6	5261.0	5171.5	5067.5	5049.2	5167.9	5507.2	6125.8	6286.4	7045.6	7178.8
25°	5801.0	5788.2	5642.2	5417.8	5206.2	5151.3	5443.4	6078.4	6253.6	7082.0	7279.1
27.5°	6461.6	6479.8	6279.1	5952.5	5549.2	5261.0	5434.2	6058.3	6239.0	7107.7	7366.7
30°	7264.5	7290.1	7060.2	6649.5	6071.1	5530.9	5518.1	6054.7	6229.9	7091.2	7374.0
32.5°	8083.9	8114.9	7934.2	7510.9	6768.2	5983.5	5707.9	6094.8	6248.1	7034.5	7332.1
35°	8941.6	8985.3	8864.9	8501.8	7713.3	6636.9	6041.9	6217.1	6333.9	7029.0	7290.1
37.5°	10125.8	10165.9	9939.7	9554.6	8857.5	7512.6	6578.4	6447.1	6536.4	7116.7	7301.0
40°	11894.1	11888.6	11304.6	10715.2	10114.9	8625.8	7332.1	6863.1	6908.7	7381.3	7436.0
42.5°	13821.1	13811.9	12948.8	12052.8	11510.8	9996.2	8323.0	7582.0	7551.0	7868.6	7786.4
45°	15306.4	15304.6	14600.2	13591.1	13191.4	11569.3	9603.9	8582.0	8534.6	8660.6	8432.4
47.5°	15939.7	15950.5	15596.5	14886.7	15054.7	13697.0	11218.8	10030.9	9959.7	9908.6	9562.0
50°	15447.0	15468.8	15498.0	15359.3	16421.3	16556.4	13385.0	12072.8	12038.1	11810.1	11268.1
52.5°	13837.4	13948.8	14291.8	14731.7	16895.9	19300.8	16780.8	14609.4	14423.2	14180.5	13583.7
55°	11125.8	11248.0	11899.5	12967.0	16189.6	21103.8	21539.9	17879.4	17569.1	16844.7	15983.4
57.5°	7363.1	7552.9	8498.0	9855.7	14138.5	21393.9	26288.0	22417.6	21337.4	19353.8	18383.0
60°	4056.6	4239.0	5264.5	6494.5	10211.6	19959.7	29481.4	28326.3	26417.6	22158.6	21297.3
62.5°	2498.1	2596.6	3353.9	4498.1	6124.0	15753.4	30142.0	35751.5	33541.6	25769.8	24817.2
65°	1989.1	2031.0	2401.4	3677.0	4390.5	9370.3	28008.8	41412.0	40674.7	30142.0	27968.7
67°	1930.6	1947.1	2122.3	3156.9	4138.6	5744.5	23465.1	42333.5	43081.7	32787.9	28067.2
67.5°	1943.4	1961.6	2127.8	3012.8	4131.3	5279.2	21899.4	41970.5	42915.6	32997.8	27631.1
70°	1874.1	1930.6	2436.2	3010.9	3928.8	4386.9	13114.8	36364.5	37348.2	30660.3	23445.0
72.5°	664.2	667.9	1052.9	2436.2	4271.8	4434.3	6585.7	26658.5	27386.6	23454.1	16903.1
75°	394.2	335.8	350.4	693.5	4082.0	4306.6	3799.3	17034.5	17306.3	13439.7	8560.1
77.5°	271.9	237.2	244.5	306.6	1554.8	4246.3	3018.2	8883.1	8593.0	4713.5	1823.0
80°	155.1	136.9	146.0	268.2	565.6	3961.6	2846.6	3602.2	3071.2	799.2	503.6
82.5°	82.2	69.4	83.9	220.8	394.2	2468.9	2852.2	1740.8	1379.5	270.1	343.1
85°	29.2	23.7	40.1	151.5	262.8	757.2	2644.2	1463.5	1149.6	131.4	260.9
87.5°	5.5	5.5	16.4	62.1	105.9	231.7	1563.8	868.6	582.2	78.4	178.8
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°	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6	6899.6
2.5°	6877.7	6799.2	6693.3	6563.7	6410.6	6275.6	6175.2	6071.1	6049.2	6012.7	6007.2
5°	6832.1	6697.0	6434.3	6133.2	5811.9	5521.9	5286.4	5076.6	4983.6	4903.2	4894.2
7.5°	6764.6	6562.0	6114.9	5629.5	5127.6	4671.5	4284.6	4010.9	3759.1	3638.7	3620.5
10°	6686.0	6395.9	5755.4	5082.0	4388.6	3744.6	3169.7	2687.9	2395.9	2222.6	2200.7
12.5°	6613.0	6233.5	5388.6	4514.6	3593.0	2731.7	1992.7	1532.8	1226.2	1102.2	1087.5
15°	6578.4	6102.1	5045.6	3934.3	2760.9	1739.1	1089.5	843.1	742.8	713.5	711.8
17.5°	6574.7	5990.8	4709.8	3333.9	1934.3	1010.9	709.8	647.8	627.7	620.5	620.5
20°	6572.9	5884.9	4374.0	2711.6	1228.1	673.4	591.2	576.7	562.0	553.0	553.0
22.5°	6593.0	5790.0	4023.7	2076.6	773.7	545.6	520.1	505.5	487.2	474.4	472.6
25°	6613.0	5717.1	3665.9	1478.1	560.2	474.4	448.9	428.9	403.2	386.9	385.0
27.5°	6616.7	5625.9	3282.8	989.1	468.9	414.2	381.5	350.4	321.1	304.8	302.8
30°	6562.0	5472.6	2857.6	667.9	414.2	359.5	315.6	282.9	255.4	242.7	242.7
32.5°	6454.3	5282.8	2390.5	503.6	368.6	308.4	260.9	229.9	211.6	206.2	204.5
35°	6357.6	5078.4	1910.6	426.9	330.3	260.9	213.5	193.4	182.5	180.6	178.8
37.5°	6301.0	4914.2	1459.8	386.9	293.8	218.9	180.6	166.1	160.6	156.9	158.8
40°	6344.8	4777.4	1078.5	354.0	257.3	182.5	153.3	146.0	140.5	138.6	138.6
42.5°	6536.4	4753.7	801.1	324.8	222.7	151.5	133.2	127.8	124.1	122.3	124.1
45°	7040.1	4899.6	622.2	297.4	187.9	127.8	113.1	111.3	109.5	109.5	109.5
47.5°	7797.4	5200.6	518.2	266.4	156.9	109.5	98.6	96.7	94.8	96.7	96.7
50°	9080.2	5751.7	463.5	235.4	129.6	93.1	83.9	83.9	83.9	83.9	85.8
52.5°	11031.0	6835.7	426.9	204.5	105.9	78.4	71.1	71.1	72.9	72.9	74.9
55°	13204.2	8273.6	394.2	173.4	89.4	65.7	58.4	60.2	62.1	63.9	63.9
57.5°	15561.9	9866.6	366.8	142.4	76.6	52.9	49.2	51.2	52.9	56.6	56.6
60°	18406.7	11591.1	326.6	111.3	63.9	41.9	38.4	41.9	47.4	51.2	52.9
62.5°	21530.8	13258.9	275.6	87.6	52.9	32.9	31.0	38.4	45.7	49.2	51.2
65°	23665.8	13782.7	211.6	71.1	40.1	23.7	25.5	34.6	43.8	49.2	49.2
67°	22800.9	12496.2	173.4	60.2	32.9	18.2	23.7	34.6	43.8	47.4	49.2
67.5°	22200.5	11992.7	166.1	58.4	31.0	18.2	23.7	34.6	43.8	49.2	49.2
70°	18063.8	9009.1	138.6	43.8	25.5	16.4	20.1	32.9	41.9	47.4	47.4
72.5°	12550.9	5554.7	124.1	31.0	21.9	14.6	18.2	31.0	40.1	45.7	47.4
75°	5967.0	2010.9	105.9	23.7	20.1	12.8	16.4	31.0	40.1	45.7	45.7
77.5°	1217.1	467.2	85.8	20.1	16.4	12.8	14.6	29.2	38.4	43.8	43.8
80°	399.7	180.6	63.9	18.2	16.4	12.8	14.6	27.5	38.4	41.9	43.8
82.5°	288.3	91.2	41.9	18.2	16.4	12.8	12.8	27.5	36.5	41.9	41.9
85°	220.8	63.9	27.5	18.2	16.4	12.8	12.8	25.5	34.6	40.1	40.1
87.5°	146.0	25.5	21.9	18.2	16.4	12.8	12.8	25.5	32.9	38.4	40.1
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)