

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: P528572

Luminaire Tested: **GALN-SA3C-830-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3C-830-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14109 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 160
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

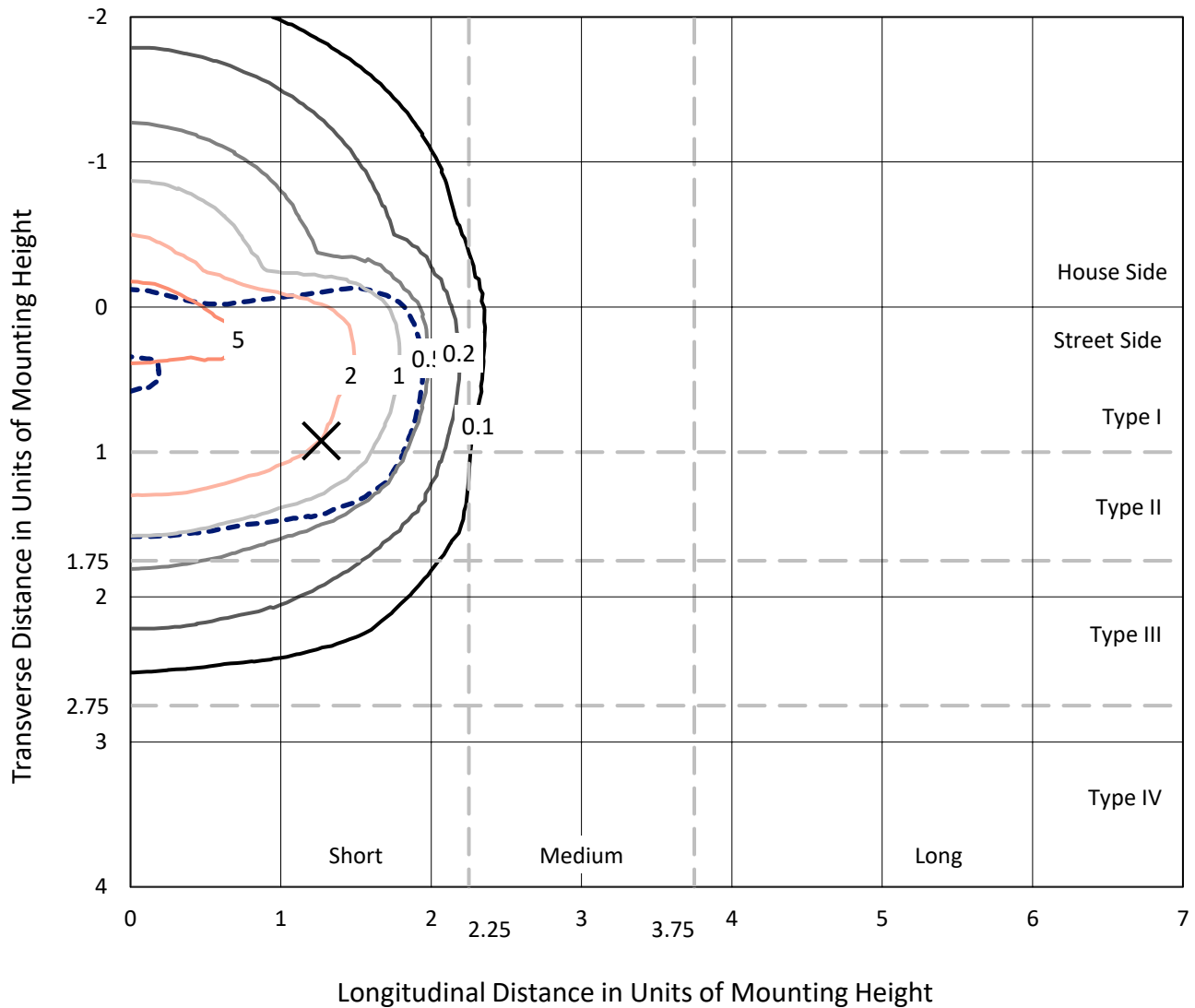


REPORT NUMBER: P528572

CATALOG NUMBER: GALN-SA3C-830-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

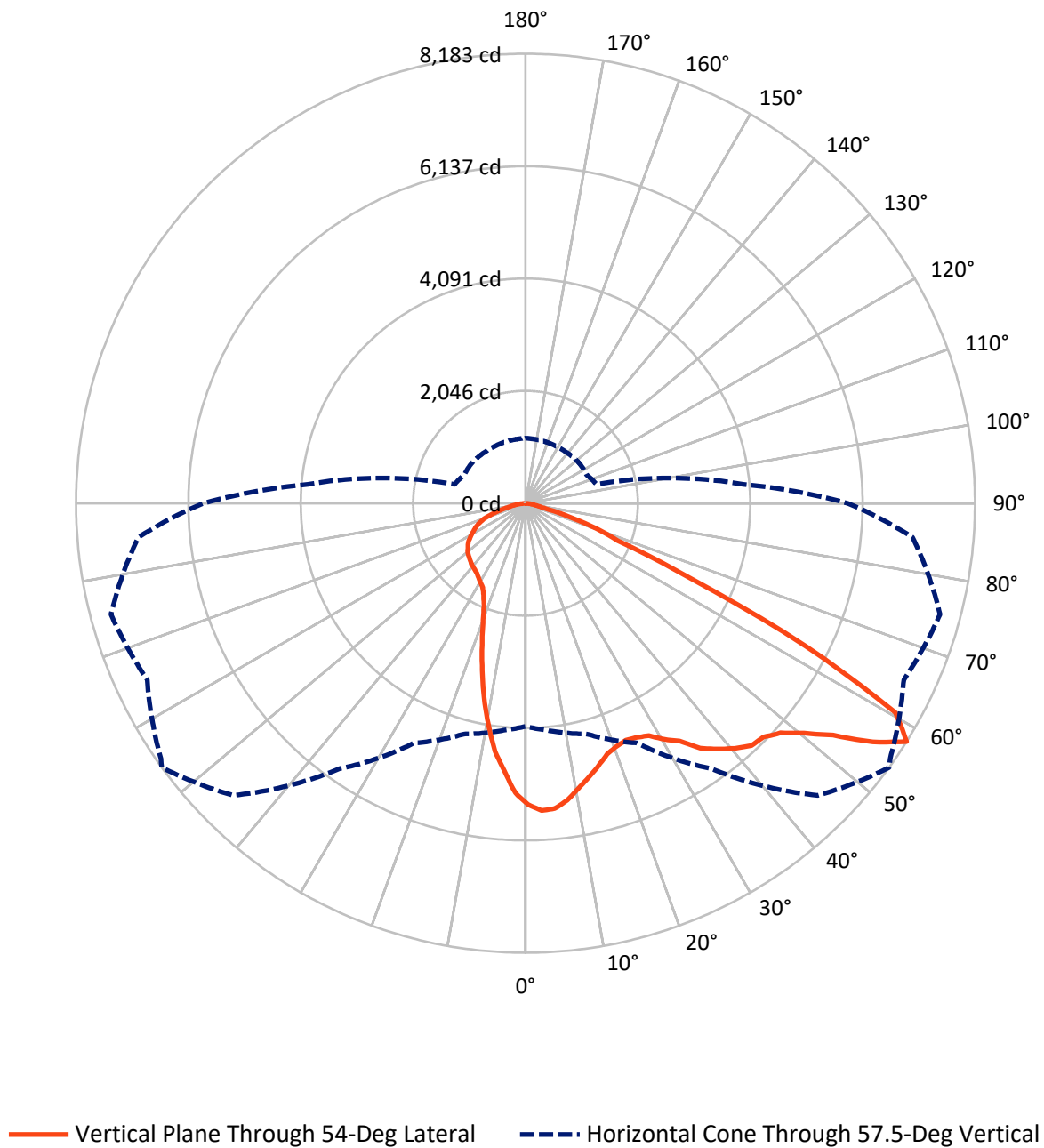


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

REPORT NUMBER: P528572

CATALOG NUMBER: GALN-SA3C-830-U-SL3-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P528572

CATALOG NUMBER: GALN-SA3C-830-U-SL3-GRSWH

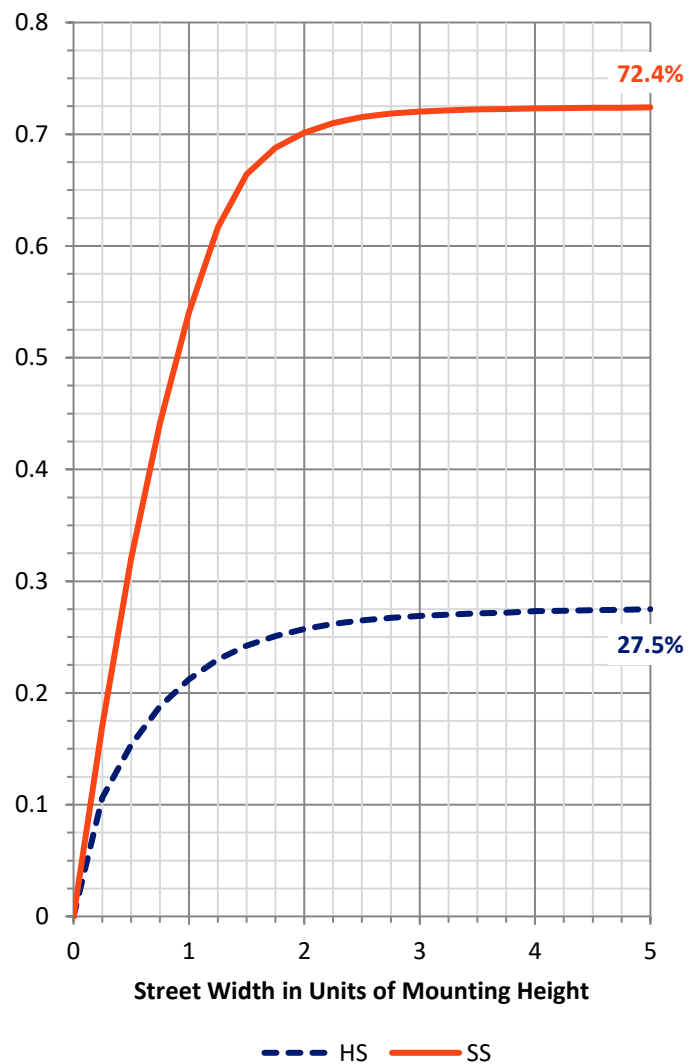
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3903.3	0.0	3903.3
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	10205.7	0.0	10205.7
	% Fixture	72.3	0.0	72.3
Total	Lumens	14109.0	0.0	14109.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.9	3.4
10°-20°	1095.0	7.8
20°-30°	1538.5	10.9
30°-40°	2150.9	15.2
40°-50°	2911.9	20.6
50°-60°	3546.8	25.1
60°-70°	1847.3	13.1
70°-80°	473.4	3.4
80°-90°	72.2	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°	14109.0	100.0
0°-180°	14109.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528572

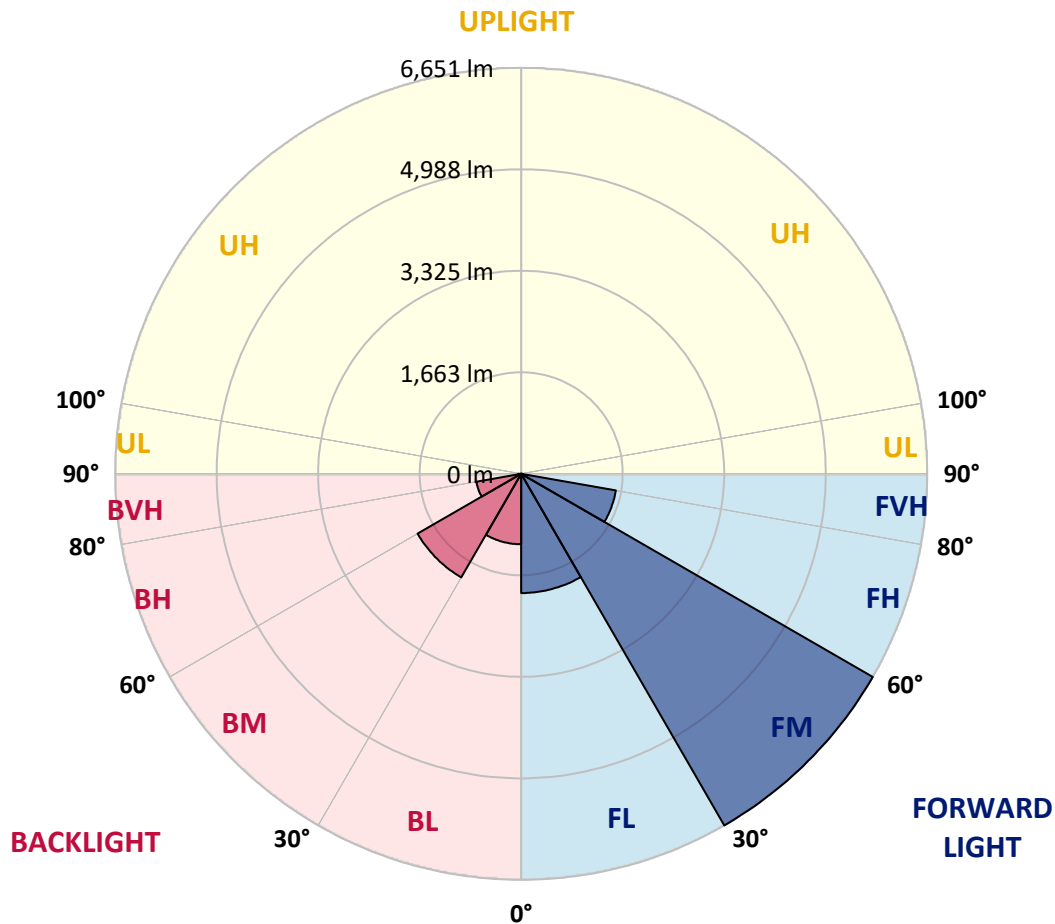
CATALOG NUMBER: GALN-SA3C-830-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1952.9	13.8			
FM	(30°-60°)	6650.5	47.1			
FH	(60°-80°)	1575.0	11.2			G1/1800
FVH	(80°-90°)	27.3	0.2			G1/100
BL	(0°-30°)	1153.6	8.2	B3/2500		
BM	(30°-60°)	1959.0	13.9	B2/2500		
BH	(60°-80°)	745.7	5.3	B2/1000		G2/1000
BVH	(80°-90°)	44.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short



REPORT NUMBER: P528572

CATALOG NUMBER: GALN-SA3C-830-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0
2.5°	5640.0	5618.2	5621.8	5650.8	5614.6	5600.1	5600.1	5529.3	5534.8	5485.8	5473.1
5°	5509.4	5458.6	5493.1	5536.6	5543.9	5558.4	5581.9	5563.8	5513.0	5460.4	5375.2
7.5°	5168.5	5213.8	5226.5	5257.3	5322.6	5382.5	5456.8	5406.0	5404.2	5351.6	5300.8
10°	4869.2	4842.0	4910.9	4956.3	5065.1	5164.8	5279.1	5273.6	5300.8	5241.0	5154.0
12.5°	4571.8	4550.1	4582.7	4686.1	4838.4	4983.5	5119.5	5068.7	5213.8	5202.9	5016.1
15°	4256.3	4272.6	4319.7	4415.9	4615.3	4789.4	4961.7	4963.5	5092.3	5135.8	4885.6
17.5°	4035.0	4016.9	4076.7	4220.0	4397.7	4606.3	4802.1	4842.0	5039.7	5065.1	4845.7
20°	3870.0	3895.4	3973.4	4045.9	4250.8	4502.9	4724.2	4738.7	5028.8	5097.7	4782.2
22.5°	3830.1	3815.6	3841.0	3958.9	4127.5	4401.4	4682.4	4736.8	5027.0	5086.9	4662.5
25°	3788.4	3835.5	3833.7	3951.6	4074.9	4319.7	4716.9	4776.7	5123.1	5143.1	4678.8
27.5°	3882.7	3877.3	3928.0	3937.1	4089.4	4341.5	4789.4	4834.8	5282.7	5266.4	4691.5
30°	3977.0	3949.8	3980.6	4087.6	4158.3	4466.6	4988.9	4985.3	5489.4	5478.6	4731.4
32.5°	4093.1	4080.4	4100.3	4194.6	4314.3	4633.5	5157.6	5264.6	5699.8	5768.7	4869.2
35°	4114.8	4167.4	4214.6	4341.5	4512.0	4903.7	5474.9	5563.8	5942.8	6158.6	5132.2
37.5°	4252.6	4272.6	4383.2	4608.1	4764.0	5264.6	5676.2	5732.5	6164.1	6408.9	5409.7
40°	4399.5	4423.1	4590.0	4825.7	5039.7	5500.3	5864.8	5883.0	6234.8	6601.1	5591.0
42.5°	4599.0	4620.8	4785.8	5081.4	5367.9	5701.6	6031.7	6051.6	6229.4	6822.4	5879.3
45°	4805.8	4858.4	5052.4	5387.9	5645.4	5937.4	6069.8	6151.4	6280.1	7020.0	6113.3
47.5°	5095.9	5144.9	5304.5	5632.7	5933.8	6144.1	6245.7	6325.5	6401.6	7192.3	6263.8
50°	5404.2	5413.3	5607.3	5904.7	6126.0	6378.1	6573.9	6601.1	6561.2	7391.8	6519.5
52.5°	5630.9	5659.9	5810.4	6100.6	6430.7	6740.8	7009.2	7038.2	6960.2	7466.2	6606.6
55°	5255.5	5239.2	5484.0	5870.3	6635.6	7281.2	7671.1	7692.8	7250.4	7696.5	6891.3
57.5°	4062.2	4140.2	4348.8	4814.8	5895.7	7520.6	8182.5	8104.5	7598.5	7812.5	7072.6
60°	2952.4	2934.2	3073.9	3385.8	4443.1	6481.4	7736.4	7816.2	7313.8	7041.8	5832.2
62.5°	2404.7	2379.3	2390.2	2401.1	2867.1	4301.6	5727.0	5725.2	5632.7	5061.5	3933.5
65°	1922.3	1982.1	1987.6	2069.2	2129.0	2569.7	3318.7	3496.4	3044.9	2497.2	1811.7
67.5°	1449.0	1427.2	1499.8	1789.9	1902.4	1855.2	1811.7	1831.6	1302.1	939.4	885.0
70°	854.2	845.1	932.1	1247.7	1566.9	1474.4	1365.6	1367.4	894.1	656.5	730.8
72.5°	467.9	466.1	484.2	632.9	890.4	924.9	819.7	845.1	533.2	531.4	571.3
75°	261.1	255.7	250.3	279.3	321.0	339.1	346.4	350.0	366.3	409.8	426.2
77.5°	96.1	92.5	92.5	107.0	136.0	170.5	215.8	219.4	259.3	297.4	313.7
80°	32.6	36.3	49.0	67.1	90.7	121.5	146.9	150.5	183.2	208.6	214.0
82.5°	19.9	21.8	32.6	47.2	65.3	85.2	108.8	110.6	136.0	152.3	159.6
85°	9.1	10.9	18.1	29.0	41.7	56.2	58.0	58.0	56.2	58.0	54.4
87.5°	0.0	0.0	3.6	3.6	3.6	5.4	7.3	5.4	9.1	10.9	10.9
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: P528572

CATALOG NUMBER: GALN-SA3C-830-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0	5484.0
2.5°	5435.0	5415.1	5353.4	5299.0	5282.7	5210.2	5103.2	5115.9	5037.9	5074.2	5036.1
5°	5360.7	5293.6	5135.8	5068.7	4892.8	4813.0	4758.6	4622.6	4559.1	4546.4	4492.0
7.5°	5170.3	5128.6	4930.9	4749.5	4562.8	4403.2	4198.2	4058.6	3958.9	3931.7	3851.9
10°	5019.8	4927.3	4653.4	4377.8	4111.2	3833.7	3567.1	3358.6	3257.0	3139.2	3099.3
12.5°	4871.0	4731.4	4361.5	4007.8	3663.3	3313.3	2990.5	2736.6	2515.3	2462.7	2444.6
15°	4778.6	4535.5	4100.3	3674.1	3184.5	2727.5	2404.7	2237.9	2101.8	2045.6	2085.5
17.5°	4657.1	4374.1	3850.0	3282.4	2743.8	2323.1	2052.9	1949.5	1900.5	1906.0	1889.7
20°	4504.7	4221.8	3521.8	2927.0	2350.3	2014.8	1860.6	1822.6	1829.8	1842.5	1837.1
22.5°	4395.9	4036.8	3284.2	2564.3	2031.1	1844.3	1780.9	1753.6	1777.2	1788.1	1779.0
25°	4312.5	3879.1	2995.9	2243.3	1846.1	1748.2	1719.2	1717.4	1753.6	1768.2	1759.1
27.5°	4236.3	3732.2	2709.4	1998.5	1722.8	1673.9	1664.8	1686.5	1710.1	1724.6	1737.3
30°	4191.0	3619.7	2441.0	1793.5	1661.2	1637.6	1621.3	1641.2	1653.9	1668.4	1661.2
32.5°	4234.5	3539.9	2181.6	1677.5	1610.4	1586.8	1608.6	1595.9	1617.6	1630.3	1610.4
35°	4370.5	3469.2	1996.7	1615.8	1552.4	1561.4	1565.0	1559.6	1568.7	1557.8	1581.4
37.5°	4504.7	3443.8	1826.2	1563.2	1525.1	1525.1	1521.5	1510.6	1528.8	1525.1	1536.0
40°	4675.2	3460.1	1681.1	1507.0	1499.8	1496.1	1481.6	1479.8	1472.6	1474.4	1478.0
42.5°	4823.9	3496.4	1597.7	1470.7	1476.2	1483.4	1456.2	1434.5	1443.5	1425.4	1425.4
45°	4981.7	3529.1	1523.3	1445.4	1439.9	1438.1	1416.3	1403.6	1396.4	1398.2	1414.5
47.5°	5230.1	3576.2	1467.1	1410.9	1414.5	1387.3	1381.9	1365.6	1372.8	1383.7	1385.5
50°	5406.0	3676.0	1423.6	1371.0	1383.7	1365.6	1332.9	1325.7	1325.7	1343.8	1340.2
52.5°	5529.3	3815.6	1381.9	1327.5	1332.9	1318.4	1307.5	1291.2	1280.3	1305.7	1318.4
55°	5906.6	4047.7	1371.0	1291.2	1289.4	1274.9	1254.9	1238.6	1233.2	1236.8	1262.2
57.5°	5870.3	3975.2	1336.5	1227.7	1224.1	1204.2	1184.2	1178.8	1177.0	1180.6	1187.8
60°	4765.9	2936.0	1193.3	1155.2	1149.8	1146.1	1126.2	1104.4	1093.5	1104.4	1095.4
62.5°	3153.7	1965.8	1051.8	1068.1	1071.8	1062.7	1030.1	1008.3	1011.9	1024.6	1004.7
65°	1548.7	1155.2	953.9	997.4	1001.0	975.7	944.8	919.4	906.7	917.6	908.6
67.5°	885.0	883.2	874.1	919.4	917.6	892.2	843.3	821.5	799.8	803.4	797.9
70°	750.8	765.3	783.4	810.6	808.8	779.8	721.8	705.4	674.6	671.0	661.9
72.5°	591.2	616.6	656.5	676.4	660.1	623.8	585.8	558.6	531.4	515.0	520.5
75°	438.9	475.1	496.9	509.6	484.2	464.3	433.4	400.8	368.1	353.6	348.2
77.5°	319.2	330.1	350.0	359.1	342.8	322.8	304.7	272.0	241.2	221.2	215.8
80°	223.1	230.3	244.8	244.8	244.8	235.8	212.2	179.5	159.6	141.5	137.8
82.5°	156.0	163.2	177.7	170.5	168.7	157.8	143.3	117.9	96.1	83.4	79.8
85°	54.4	59.8	72.5	87.0	92.5	90.7	81.6	65.3	50.8	41.7	38.1
87.5°	12.7	12.7	14.5	12.7	12.7	14.5	12.7	12.7	12.7	9.1	7.3
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)