

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: P948415

Luminaire Tested: **GALN-SB3C-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
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-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14186 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

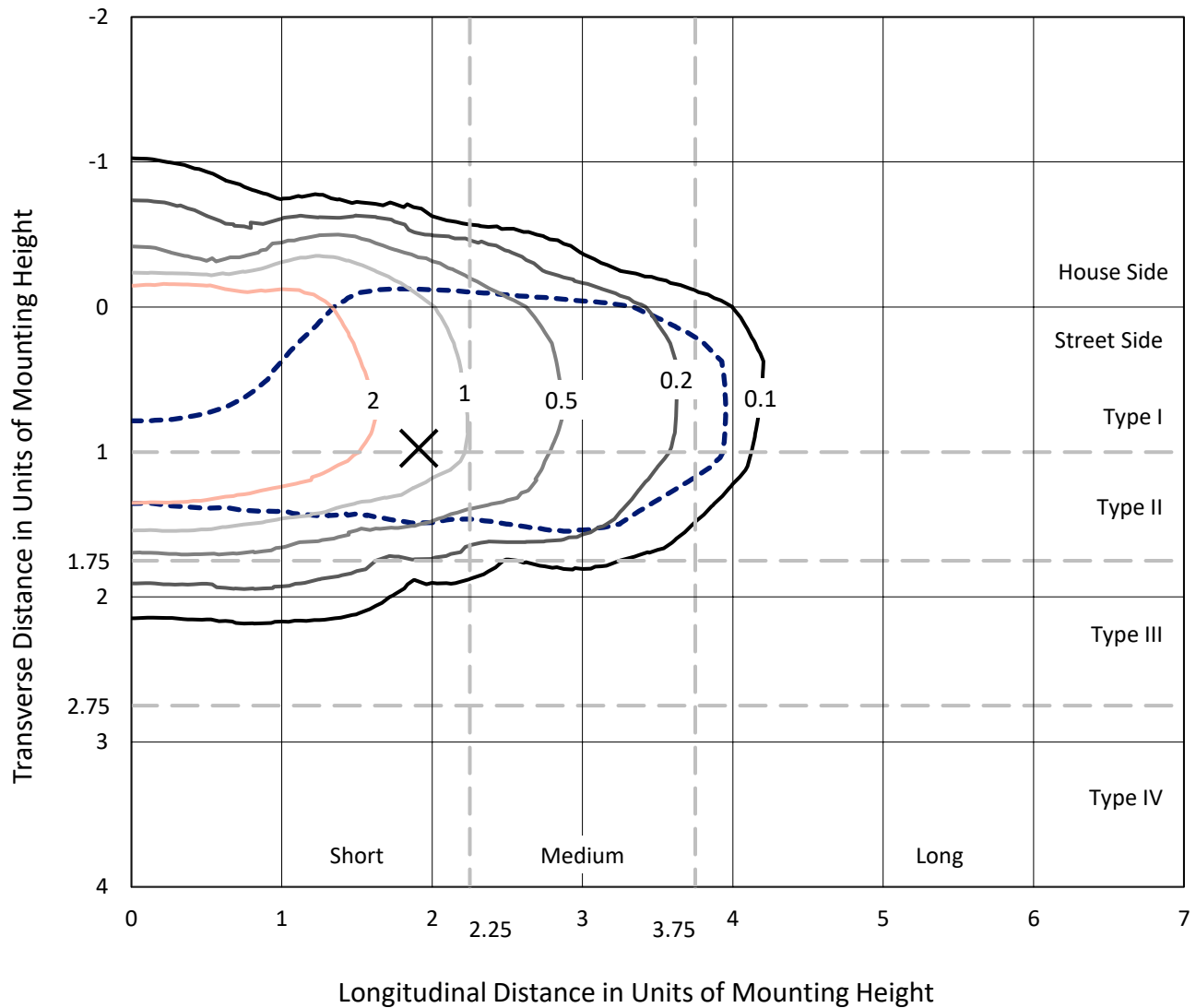
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

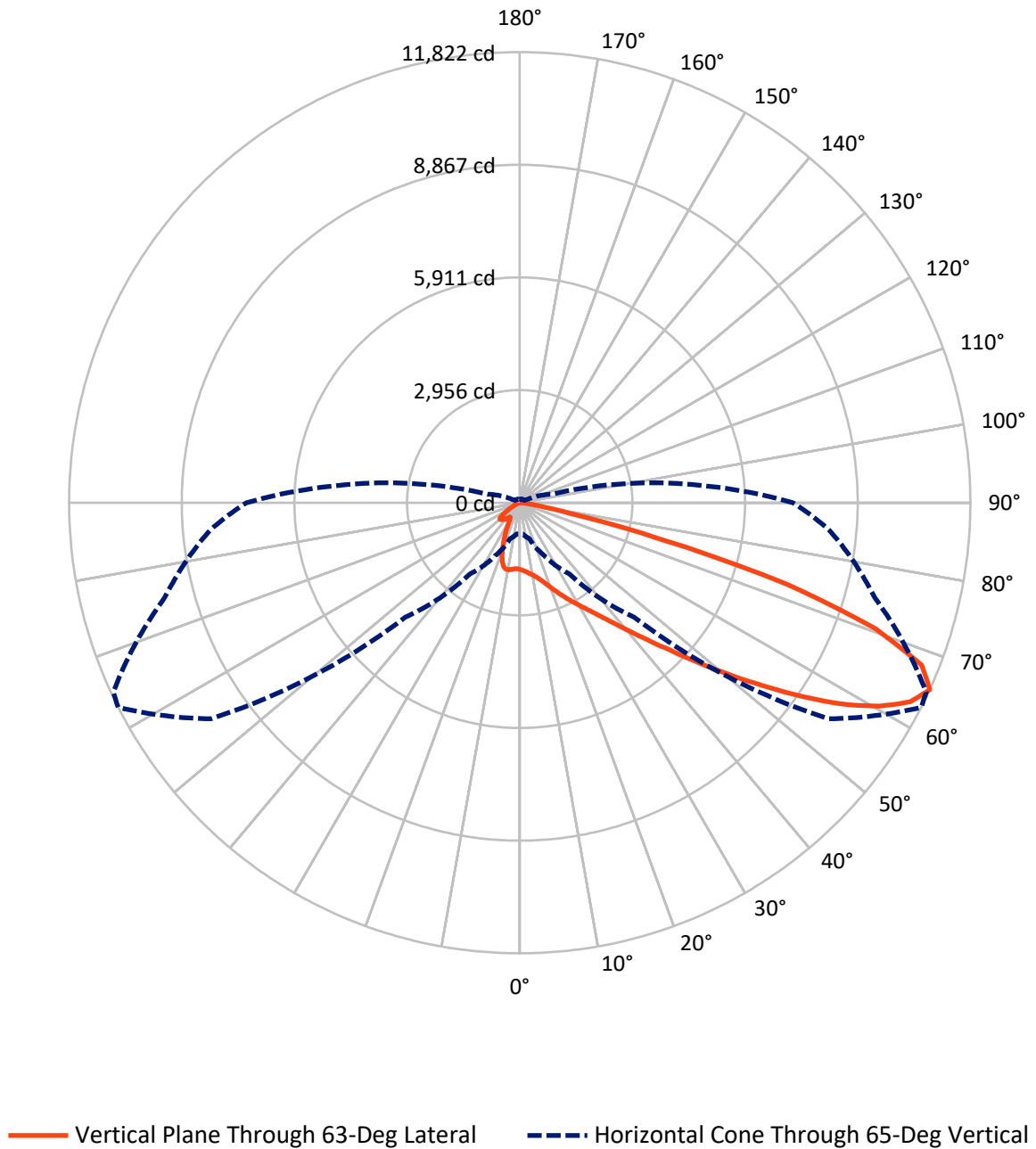


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2085.2	0.0	2085.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	12100.8	0.0	12100.8
	% Fixture	85.3	0.0	85.3
Total	Lumens	14186.0	0.0	14186.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	1.2
10°-20°	457.7	3.2
20°-30°	797.0	5.6
30°-40°	1436.5	10.1
40°-50°	2849.0	20.1
50°-60°	3880.8	27.4
60°-70°	3097.6	21.8
70°-80°	1401.7	9.9
80°-90°	100.8	0.7
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°	14186.0	100.0
0°-180°	14186.0	100.0

Coefficient of Utilization



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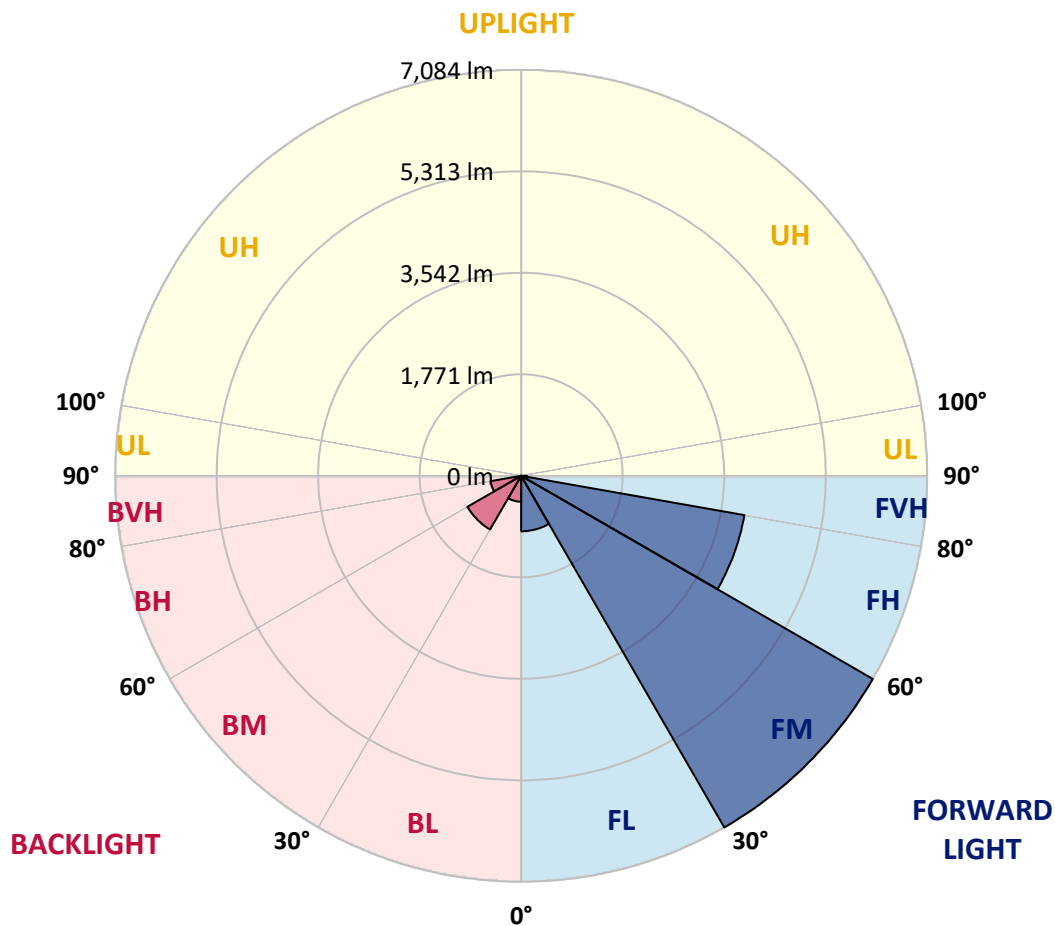
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	968.4	6.8			
FM	(30°-60°)	7084.1	49.9			
FH	(60°-80°)	3955.0	27.9			G2/5000
FVH	(80°-90°)	93.3	0.7			G1/100
BL	(0°-30°)	451.3	3.2	B1/500		
BM	(30°-60°)	1082.1	7.6	B2/2500		
BH	(60°-80°)	544.4	3.8	B2/1000		G2/1000
BVH	(80°-90°)	7.5	0.1			G0/10
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°	55°	63°	65°	75°	85°
0°	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8
2.5°	1791.8	1786.9	1793.8	1790.8	1788.9	1785.0	1783.0	1781.1	1777.2	1774.2	1762.5
5°	1796.7	1793.8	1800.6	1806.4	1812.3	1818.2	1821.1	1825.0	1821.1	1813.3	1801.6
7.5°	1755.7	1753.7	1768.4	1786.0	1812.3	1834.8	1859.1	1872.8	1873.8	1870.9	1858.2
10°	1752.8	1747.9	1762.5	1784.0	1818.2	1858.2	1901.1	1930.4	1934.3	1947.0	1933.3
12.5°	1798.6	1793.8	1814.3	1837.7	1872.8	1914.8	1967.5	2008.5	2014.3	2031.9	2022.1
15°	1875.7	1868.9	1892.3	1922.6	1967.5	2015.3	2070.9	2108.0	2112.9	2134.4	2116.8
17.5°	1965.5	1958.7	1986.0	2018.2	2067.0	2132.4	2196.8	2237.8	2243.7	2257.3	2225.1
20°	2080.7	2071.9	2093.4	2122.7	2174.4	2252.4	2329.5	2388.1	2387.1	2387.1	2334.4
22.5°	2214.4	2200.7	2219.3	2242.7	2291.5	2386.2	2488.6	2557.9	2557.9	2530.6	2443.7
25°	2357.8	2344.2	2364.7	2386.2	2429.1	2536.4	2656.5	2742.4	2746.3	2699.4	2560.8
27.5°	2537.4	2519.9	2535.5	2560.8	2586.2	2695.5	2838.0	2937.6	2939.5	2867.3	2672.1
30°	2882.9	2833.1	2784.3	2757.0	2768.7	2877.0	3029.3	3139.6	3149.3	3049.8	2793.1
32.5°	3515.3	3505.5	3333.8	3109.3	2992.2	3072.2	3243.0	3375.7	3381.6	3253.8	2950.2
35°	4498.1	4486.4	4210.2	3782.7	3401.1	3333.8	3502.6	3659.7	3655.8	3511.4	3154.2
37.5°	5671.1	5660.4	5296.4	4724.5	4106.7	3729.0	3837.4	4002.3	4026.7	3837.4	3417.7
40°	6673.4	6633.4	6403.1	5851.7	5043.6	4384.9	4313.6	4422.9	4448.3	4223.8	3752.5
42.5°	7432.7	7398.5	7281.4	6936.9	6177.6	5354.9	4874.8	4916.7	4945.0	4675.7	4137.0
45°	7826.0	7818.2	7865.0	7832.8	7333.1	6545.6	5677.0	5502.3	5513.0	5176.3	4573.2
47.5°	7881.6	7877.7	8091.4	8394.0	8326.6	7888.5	6706.6	6232.3	6194.2	5741.4	5047.5
50°	7553.7	7545.9	7955.8	8522.8	8990.3	9016.6	7875.8	7055.0	6971.1	6326.0	5542.3
52.5°	6506.5	6504.6	7178.0	8121.7	9223.5	10004.3	9031.3	7958.7	7818.2	6944.7	6065.4
55°	5006.5	5042.6	5814.6	6930.1	8798.0	10479.5	10068.7	8962.0	8746.3	7567.4	6547.5
57.5°	3546.5	3599.2	4362.4	5355.9	7478.6	10198.5	10770.4	9967.2	9734.9	8188.1	7036.5
60°	1905.0	1951.9	2716.0	3901.8	5563.8	9150.3	11140.3	10839.7	10620.1	8777.5	7477.6
62.5°	1135.0	1150.6	1466.8	2518.9	3763.2	6990.6	10983.1	11504.3	11323.7	9272.3	7861.1
65°	814.9	817.8	976.9	1538.1	2284.7	4247.3	9881.3	11822.4	11766.8	9645.1	8145.1
67.5°	686.1	684.1	750.5	1021.8	1556.6	2127.5	7573.2	11372.5	11608.7	9881.3	8306.1
70°	588.5	591.4	669.5	748.5	1170.1	1204.3	3765.1	9901.8	10405.4	9943.8	8296.4
72.5°	438.2	448.0	520.2	682.2	883.2	828.6	1299.9	7341.9	8252.5	9368.9	7866.0
75°	309.4	314.2	366.0	573.8	658.8	603.1	663.6	3795.4	4962.6	7182.9	6438.2
77.5°	238.1	246.9	277.2	401.1	649.0	423.6	406.0	1313.6	2018.2	4339.0	4414.1
80°	128.8	144.4	200.1	289.9	455.8	299.6	201.0	523.1	684.1	2029.0	1702.0
82.5°	66.4	74.2	139.6	208.8	259.6	261.5	99.5	217.6	282.0	626.5	233.2
85°	26.4	32.2	93.7	115.2	133.7	128.8	44.9	87.8	101.5	173.7	71.2
87.5°	5.9	9.8	34.2	26.4	25.4	27.3	10.7	20.5	19.5	20.5	12.7
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°	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8	1750.8
2.5°	1761.6	1757.7	1746.9	1735.2	1721.5	1713.7	1708.9	1707.9	1701.0	1696.2	1701.0
5°	1790.8	1786.9	1766.4	1742.0	1715.7	1695.2	1675.7	1658.1	1632.7	1627.9	1625.9
7.5°	1849.4	1838.7	1805.5	1772.3	1722.5	1663.0	1590.8	1507.8	1433.6	1411.2	1400.5
10°	1921.6	1907.0	1865.0	1806.4	1696.2	1534.2	1359.5	1197.5	1068.6	1032.5	1018.9
12.5°	2003.6	1990.9	1935.3	1826.9	1585.9	1292.1	1024.7	823.7	698.8	667.5	658.8
15°	2101.2	2082.6	2005.5	1795.7	1388.7	981.8	703.6	584.6	539.7	533.8	528.0
17.5°	2204.6	2174.4	2068.0	1683.5	1123.3	697.8	543.6	509.4	489.9	484.1	481.1
20°	2299.3	2260.3	2105.1	1513.7	839.3	543.6	487.0	464.5	447.0	440.1	436.2
22.5°	2394.0	2338.3	2105.1	1282.4	629.5	482.1	447.0	426.5	406.0	397.2	392.3
25°	2492.5	2418.4	2068.0	1024.7	506.5	442.1	408.9	386.5	368.9	358.2	354.3
27.5°	2588.2	2485.7	1983.1	780.7	450.9	407.0	373.8	352.3	335.7	327.9	327.9
30°	2678.9	2552.1	1864.0	592.4	414.8	372.8	341.6	323.0	306.4	298.6	299.6
32.5°	2801.9	2636.0	1737.2	486.0	383.5	340.6	312.3	294.7	280.1	274.2	274.2
35°	2972.7	2759.9	1627.9	477.2	357.2	314.2	285.9	269.4	254.7	249.8	249.8
37.5°	3214.7	2960.0	1570.3	535.8	335.7	290.8	264.5	246.9	233.2	229.3	228.4
40°	3513.4	3231.3	1601.5	594.3	321.1	270.3	245.0	227.4	215.7	210.8	209.8
42.5°	3867.6	3566.1	1774.2	639.2	311.3	252.8	226.4	206.9	199.1	197.1	197.1
45°	4274.6	3934.0	2038.7	687.1	295.7	236.2	207.9	193.2	187.4	186.4	185.4
47.5°	4737.2	4338.0	2345.2	746.6	280.1	220.6	193.2	183.5	178.6	176.6	176.6
50°	5195.9	4745.0	2660.4	779.8	267.4	205.9	181.5	173.7	169.8	168.8	168.8
52.5°	5676.0	5163.7	2915.1	748.5	256.7	194.2	171.8	165.9	162.0	161.0	161.0
55°	6133.7	5502.3	2959.0	635.3	235.2	182.5	161.0	158.1	153.2	153.2	152.2
57.5°	6528.0	5672.1	2648.7	466.5	213.7	164.9	150.3	147.4	143.5	142.5	141.5
60°	6890.1	5623.3	2044.6	314.2	190.3	147.4	136.6	134.7	130.8	125.9	124.9
62.5°	7094.0	5408.6	1398.5	204.9	166.9	128.8	121.0	120.0	111.3	101.5	99.5
65°	7171.1	4967.5	872.5	149.3	139.6	110.3	104.4	102.5	89.8	79.1	78.1
67.5°	7103.8	4241.4	440.1	118.1	110.3	91.7	85.9	85.9	77.1	67.3	66.4
70°	6834.4	3179.6	185.4	94.7	84.9	70.3	70.3	74.2	65.4	54.7	53.7
72.5°	6249.9	2139.2	98.6	72.2	63.4	49.8	57.6	60.5	51.7	41.0	41.0
75°	4968.5	1304.8	68.3	53.7	40.0	35.1	43.9	45.9	35.1	27.3	26.4
77.5°	3398.2	749.5	45.9	34.2	25.4	20.5	30.3	28.3	18.5	12.7	13.7
80°	1492.2	312.3	26.4	15.6	9.8	7.8	10.7	7.8	5.9	3.9	3.9
82.5°	174.7	73.2	9.8	5.9	3.9	2.0	1.0	0.0	0.0	0.0	0.0
85°	36.1	8.8	4.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	2.0	1.0	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)