

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: P1211894

Luminaire Tested: **GKO-PB1C-827-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211894
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1C-827-U-T2R
Description: GEKKO WALL PACK 2500LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

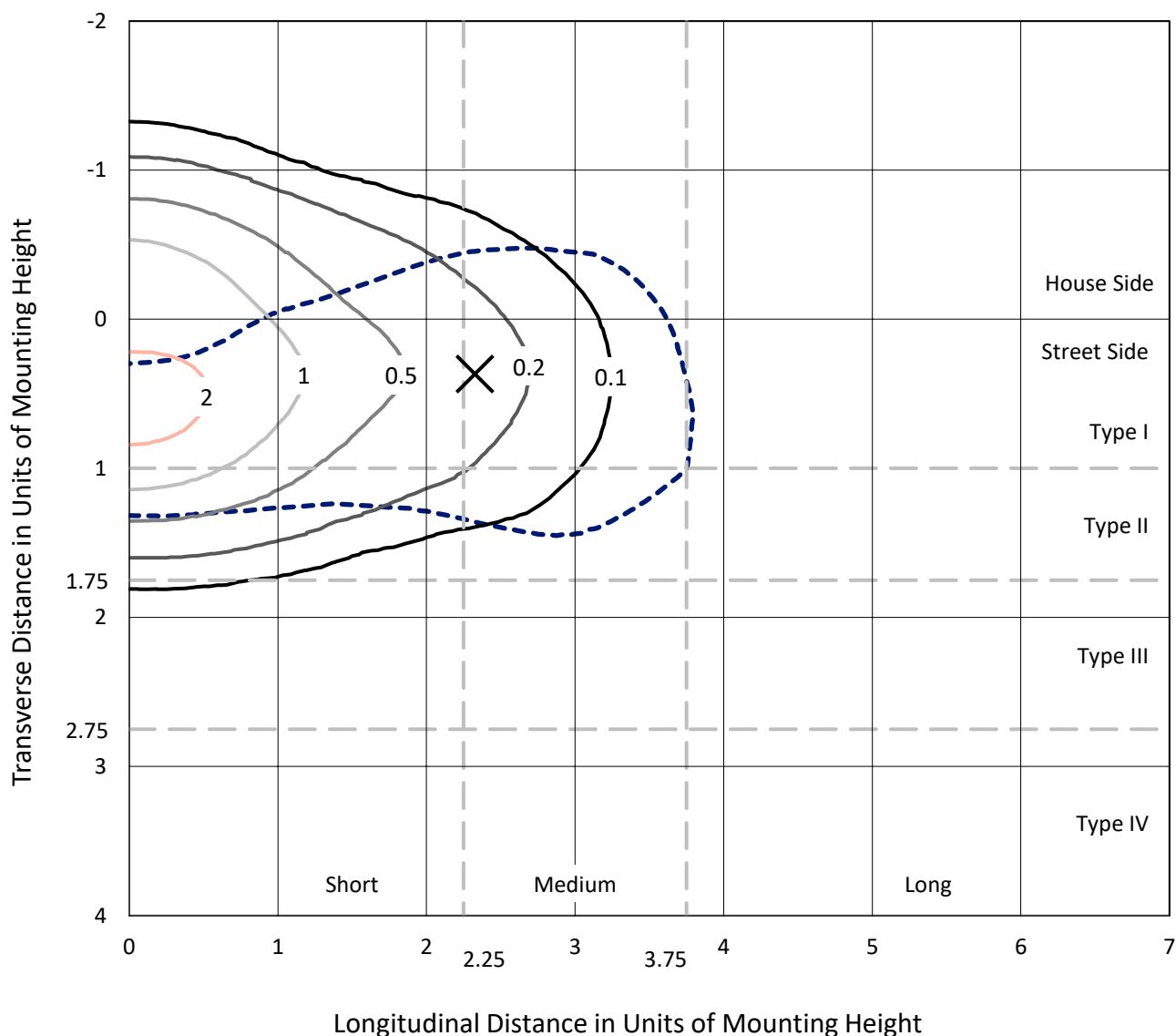
Lumens per Lamp: N/A
Luminaire Lumens: 2207.8 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 13%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

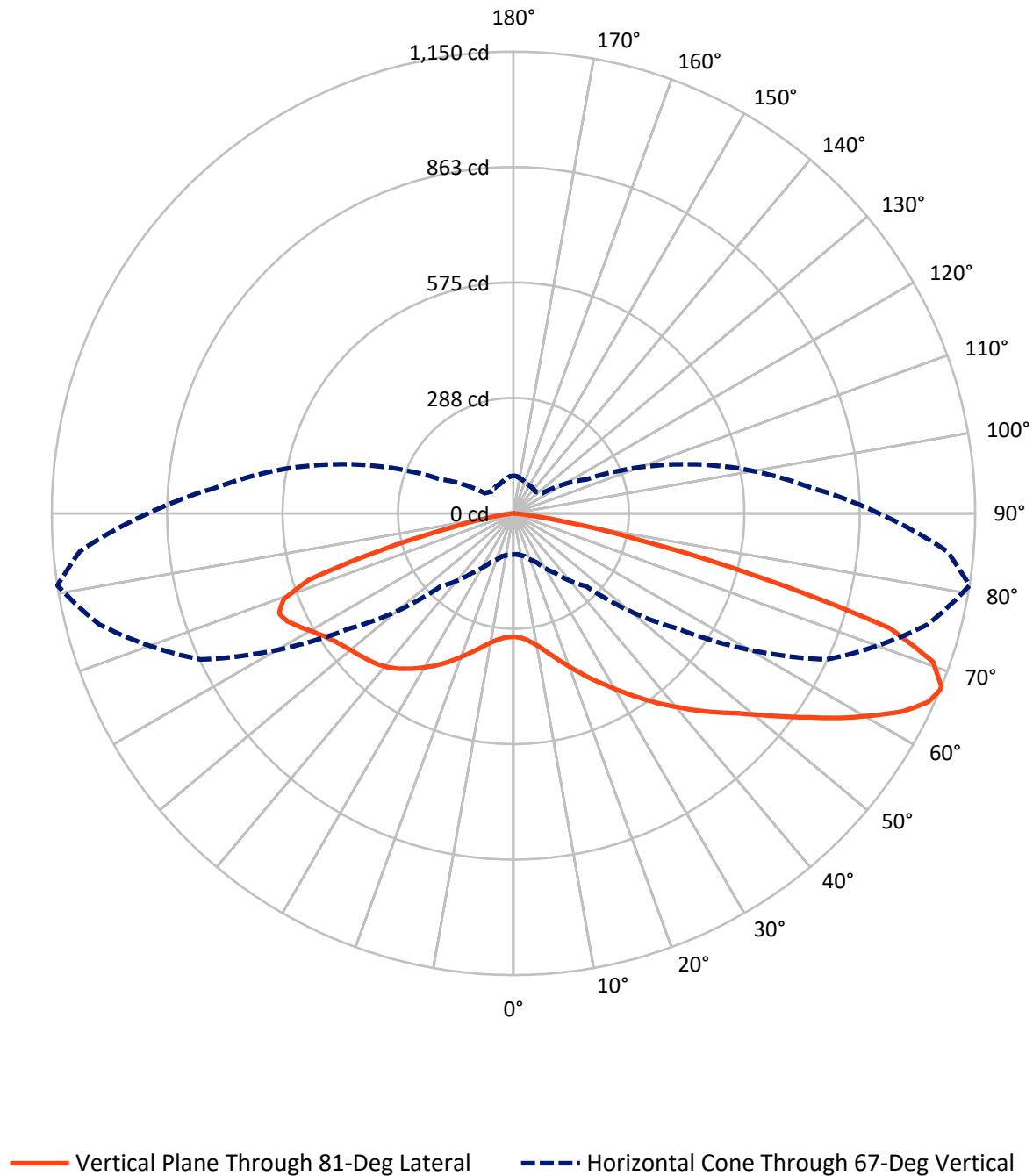
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	681.8	0.0	681.8
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	1526.1	0.0	1526.1
	% Fixture	69.1	0.0	69.1
Total	Lumens	2207.8	0.0	2207.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	1.4
10°-20°	115.3	5.2
20°-30°	233.6	10.6
30°-40°	368.3	16.7
40°-50°	452.4	20.5
50°-60°	432.2	19.6
60°-70°	362.4	16.4
70°-80°	192.0	8.7
80°-90°	19.8	0.9
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°	2207.8	100.0
0°-180°	2207.8	100.0

Coefficient of Utilization



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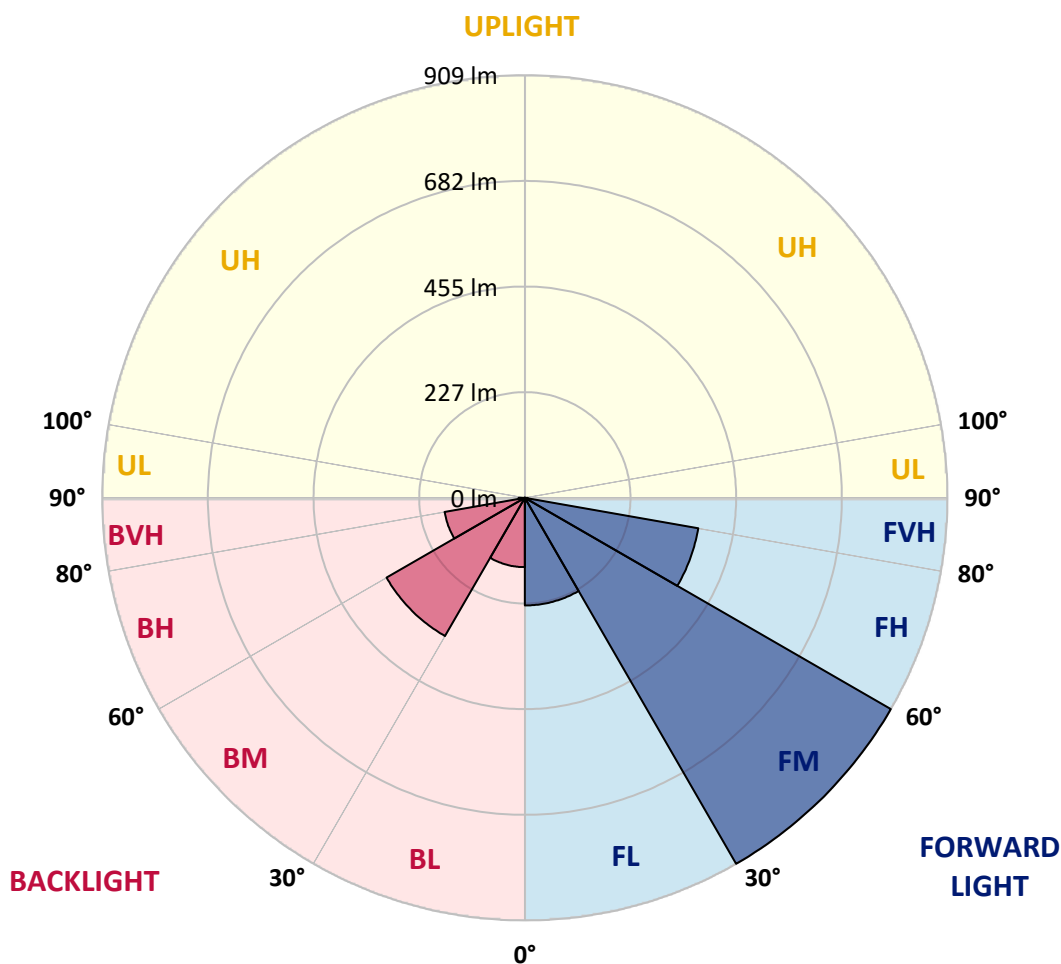
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.6	10.5			
FM	(30°-60°)	909.3	41.2			
FH	(60°-80°)	379.0	17.2			G0/660
FVH	(80°-90°)	6.2	0.3			G0/10
BL	(0°-30°)	149.2	6.8	B1/500		
BM	(30°-60°)	343.5	15.6	B1/1000		
BH	(60°-80°)	175.4	7.9	B1/500		G1/500
BVH	(80°-90°)	13.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5
2.5°	325.3	326.1	324.4	324.0	322.3	319.8	316.8	314.7	311.4	309.7	308.8
5°	356.1	354.4	353.2	351.1	345.1	340.1	331.6	325.7	319.4	315.2	313.9
7.5°	393.7	394.6	390.4	384.9	376.4	366.3	352.8	341.8	329.9	324.4	321.9
10°	434.7	438.1	433.9	427.1	411.1	395.8	379.4	360.4	344.3	335.9	332.5
12.5°	484.6	486.7	481.2	472.3	452.9	430.1	406.8	383.2	362.0	351.5	345.6
15°	540.3	538.6	533.1	520.0	495.1	469.8	438.1	407.2	382.3	369.2	360.8
17.5°	597.8	595.7	588.5	571.6	543.3	511.6	474.0	435.1	403.9	389.5	378.1
20°	652.7	650.6	645.5	626.5	592.3	553.4	509.5	467.2	428.4	410.6	398.0
22.5°	713.5	711.8	703.8	680.6	643.8	601.2	550.0	499.8	455.0	433.9	418.7
25°	779.4	779.9	771.0	738.5	697.1	647.2	593.6	536.5	485.0	458.4	441.0
27.5°	856.3	855.9	840.7	805.6	753.7	696.2	636.6	575.0	514.6	483.3	463.4
30°	926.0	924.3	907.4	872.4	812.4	747.7	682.3	612.1	547.9	510.8	486.7
32.5°	977.6	978.0	964.0	925.6	866.9	798.0	724.9	654.0	580.0	540.3	513.7
35°	1014.7	1015.2	1001.6	968.7	913.8	844.9	770.1	693.3	615.9	570.7	542.0
37.5°	1026.6	1026.6	1017.7	991.9	947.1	887.2	814.5	738.0	651.9	603.7	570.7
40°	1010.5	1011.8	1011.4	994.5	963.6	916.3	855.5	781.1	692.0	636.2	599.9
42.5°	974.2	975.0	976.3	970.0	960.2	931.9	888.4	825.1	732.1	671.7	628.6
45°	914.2	917.6	923.9	926.4	930.3	928.1	908.7	866.0	776.9	707.2	656.9
47.5°	838.2	843.6	852.1	867.3	888.4	905.3	913.8	897.7	820.4	743.9	688.6
50°	732.5	738.5	761.3	793.0	834.8	867.7	899.8	921.4	869.0	788.7	724.1
52.5°	586.4	599.0	637.5	698.3	770.1	819.1	870.3	932.8	918.4	841.5	766.3
55°	446.1	450.8	500.2	573.3	684.0	766.8	829.7	926.9	964.9	896.9	814.5
57.5°	311.8	316.8	359.9	439.8	562.3	698.3	789.2	907.0	1007.1	961.9	869.8
60°	221.4	226.9	259.0	318.1	436.8	598.6	751.6	881.7	1043.9	1023.6	933.6
62.5°	161.0	163.9	180.8	230.7	315.6	468.1	697.9	865.2	1069.7	1087.8	999.1
65°	123.4	126.3	136.0	167.3	233.2	342.2	601.6	864.8	1076.4	1135.1	1055.7
67°	102.7	102.2	110.7	134.3	182.1	257.3	502.3	861.4	1068.8	1150.4	1084.4
67.5°	97.2	98.9	105.6	125.5	171.9	237.0	480.8	855.9	1066.3	1149.9	1086.6
70°	77.3	77.7	83.6	99.3	129.3	171.9	346.0	801.8	1027.8	1108.5	1062.9
72.5°	56.6	56.2	65.1	75.2	98.9	125.0	231.9	673.4	944.6	982.2	945.0
75°	41.8	41.4	46.0	57.5	70.6	93.4	150.4	439.4	639.6	624.8	577.1
77.5°	27.9	28.7	33.0	42.2	50.3	57.9	75.2	202.4	352.3	318.5	306.7
80°	16.9	15.6	18.6	24.1	29.1	29.6	32.1	87.4	151.2	144.1	135.2
82.5°	5.9	5.9	7.2	9.7	9.7	9.7	11.8	21.1	30.0	27.5	26.2
85°	0.0	0.0	0.0	0.0	0.8	1.3	0.8	1.7	3.0	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.3	1.7	1.7
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°	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5
2.5°	308.8	308.8	307.5	305.9	305.0	304.6	303.3	301.6	302.9	304.2	304.2
5°	313.0	312.2	309.7	308.0	306.7	306.7	305.0	304.6	305.9	307.1	306.7
7.5°	319.8	318.1	315.2	312.6	313.0	313.5	310.9	310.9	312.2	313.5	313.5
10°	329.1	326.1	323.2	321.1	321.5	321.9	319.4	318.5	319.8	321.1	321.9
12.5°	340.9	337.1	333.7	331.6	331.2	331.6	329.1	328.2	328.2	329.1	329.1
15°	354.9	350.6	346.4	343.5	342.6	342.2	338.8	335.9	335.9	336.3	336.3
17.5°	370.9	365.0	359.5	356.1	354.0	351.1	347.3	343.0	341.8	342.2	342.2
20°	387.0	380.6	373.5	368.8	364.6	359.5	353.6	348.1	345.6	345.6	345.1
22.5°	405.6	397.1	387.4	381.1	373.5	365.0	356.6	349.4	346.8	346.0	346.0
25°	424.6	414.9	400.9	391.2	380.2	368.0	357.0	347.3	343.0	341.3	341.3
27.5°	444.0	432.6	414.4	400.5	384.4	367.5	352.8	340.5	334.6	332.5	331.6
30°	466.0	449.5	426.3	407.2	385.3	363.7	344.7	330.4	321.5	316.4	316.8
32.5°	488.8	468.1	437.2	411.5	384.0	356.6	332.5	314.3	302.9	298.3	296.6
35°	512.0	485.8	447.0	413.6	379.8	345.6	316.8	296.6	283.9	277.1	277.1
37.5°	535.7	504.4	453.7	413.2	372.2	331.2	298.7	277.1	262.3	253.9	251.8
40°	558.9	521.7	458.8	409.8	360.8	313.9	279.2	256.0	236.2	225.2	223.5
42.5°	581.7	536.1	461.3	404.3	347.3	294.9	257.3	226.0	207.0	196.9	196.4
45°	602.4	547.5	461.7	397.1	329.5	273.3	227.7	197.7	178.7	168.1	168.1
47.5°	622.7	560.2	461.3	387.8	310.1	245.4	196.4	167.3	150.0	143.2	141.1
50°	647.2	572.9	460.9	376.4	285.2	212.1	166.0	141.1	126.3	119.6	119.6
52.5°	672.1	587.6	461.7	360.4	255.6	179.5	139.0	117.0	107.3	103.1	102.7
55°	704.2	603.3	463.9	341.3	224.7	147.9	115.8	101.0	94.2	92.1	92.5
57.5°	743.1	624.8	468.1	319.0	188.8	121.2	99.3	91.3	89.6	90.4	90.8
60°	787.5	651.4	474.0	293.6	157.2	101.0	89.6	87.9	89.6	92.9	93.4
62.5°	839.0	683.5	481.6	265.3	125.9	88.7	85.3	86.6	87.9	93.4	93.8
65°	884.6	718.2	483.3	231.9	102.2	80.7	82.8	83.6	87.0	93.4	93.8
67°	910.4	741.8	471.9	200.2	87.4	76.5	79.4	80.3	86.2	92.5	93.4
67.5°	913.4	746.9	464.3	192.2	84.5	75.6	78.6	80.3	86.2	92.5	92.9
70°	904.5	743.5	413.6	144.9	69.7	69.7	73.1	76.9	82.8	89.6	92.5
72.5°	825.5	678.0	320.2	98.4	59.1	62.9	68.0	73.5	79.0	87.0	92.1
75°	521.7	436.4	196.0	65.9	49.4	56.2	64.2	70.6	75.2	81.1	84.5
77.5°	278.8	215.9	84.5	38.9	38.9	49.8	59.6	65.5	68.0	70.1	72.2
80°	131.8	100.5	41.0	23.2	27.0	38.9	52.8	59.1	60.0	62.5	63.4
82.5°	26.2	22.8	13.5	12.3	17.7	27.9	43.9	51.1	51.5	55.8	56.6
85°	3.4	3.0	2.1	4.6	11.4	20.7	33.8	43.9	44.8	44.8	43.9
87.5°	1.7	1.3	1.3	3.4	8.4	15.6	27.9	36.8	37.2	29.1	28.3
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)