

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: P1211925

Luminaire Tested: **GKO-PB1B-840-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211925
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1B-840-U-T2R
Description: GEKKO WALL PACK 1500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

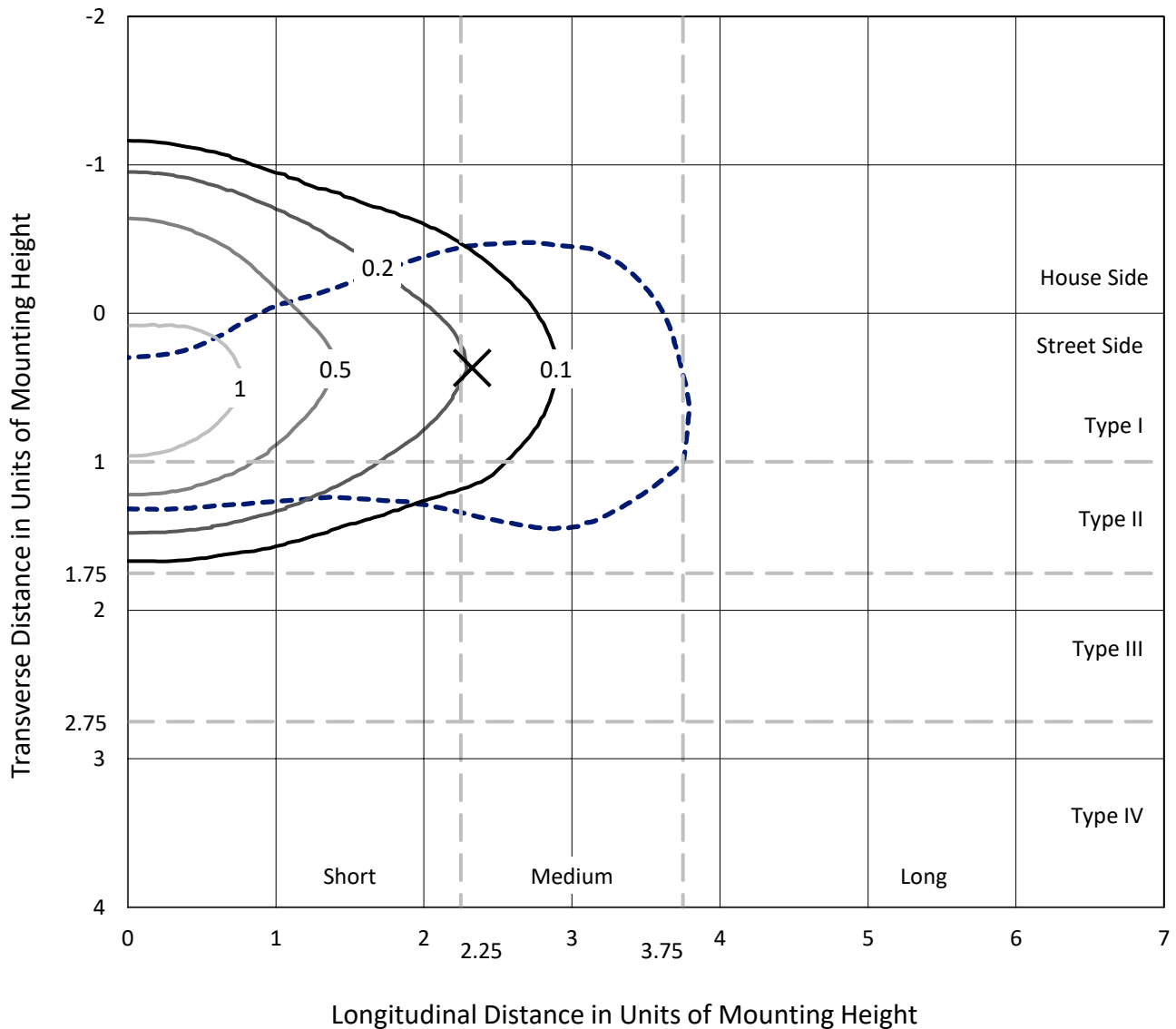
Lumens per Lamp: N/A
Luminaire Lumens: 1401.5 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 9.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 14%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1211925
 CATALOG NUMBER: GKO-PB1B-840-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

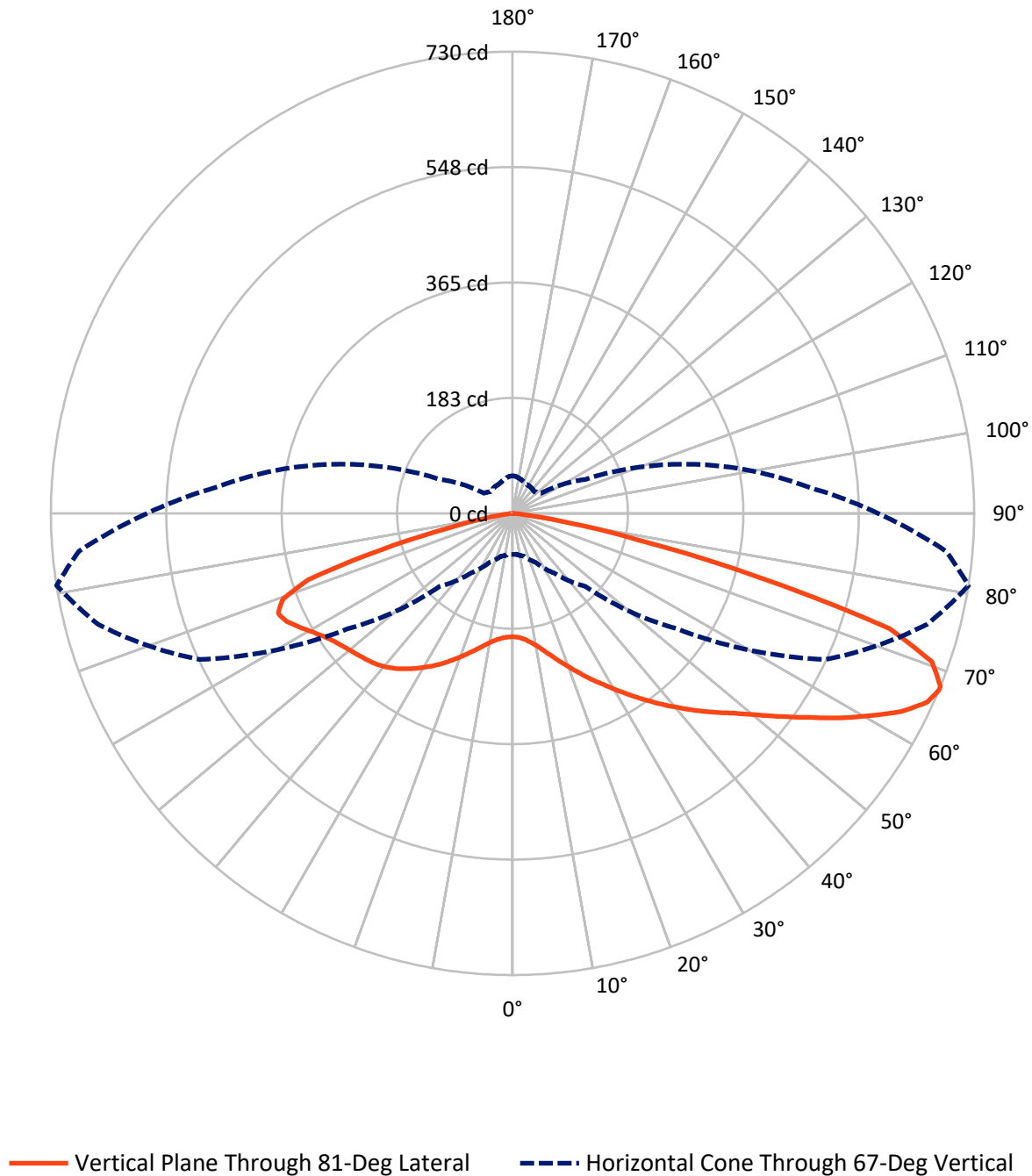
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211925
CATALOG NUMBER: GKO-PB1B-840-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211925

CATALOG NUMBER: GKO-PB1B-840-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	432.8	0.0	432.8
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	968.7	0.0	968.7
	% Fixture	69.1	0.0	69.1
Total	Lumens	1401.5	0.0	1401.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	1.4
10°-20°	73.2	5.2
20°-30°	148.3	10.6
30°-40°	233.8	16.7
40°-50°	287.1	20.5
50°-60°	274.3	19.6
60°-70°	230.0	16.4
70°-80°	121.9	8.7
80°-90°	12.6	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°	1401.5	100.0
0°-180°	1401.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1211925

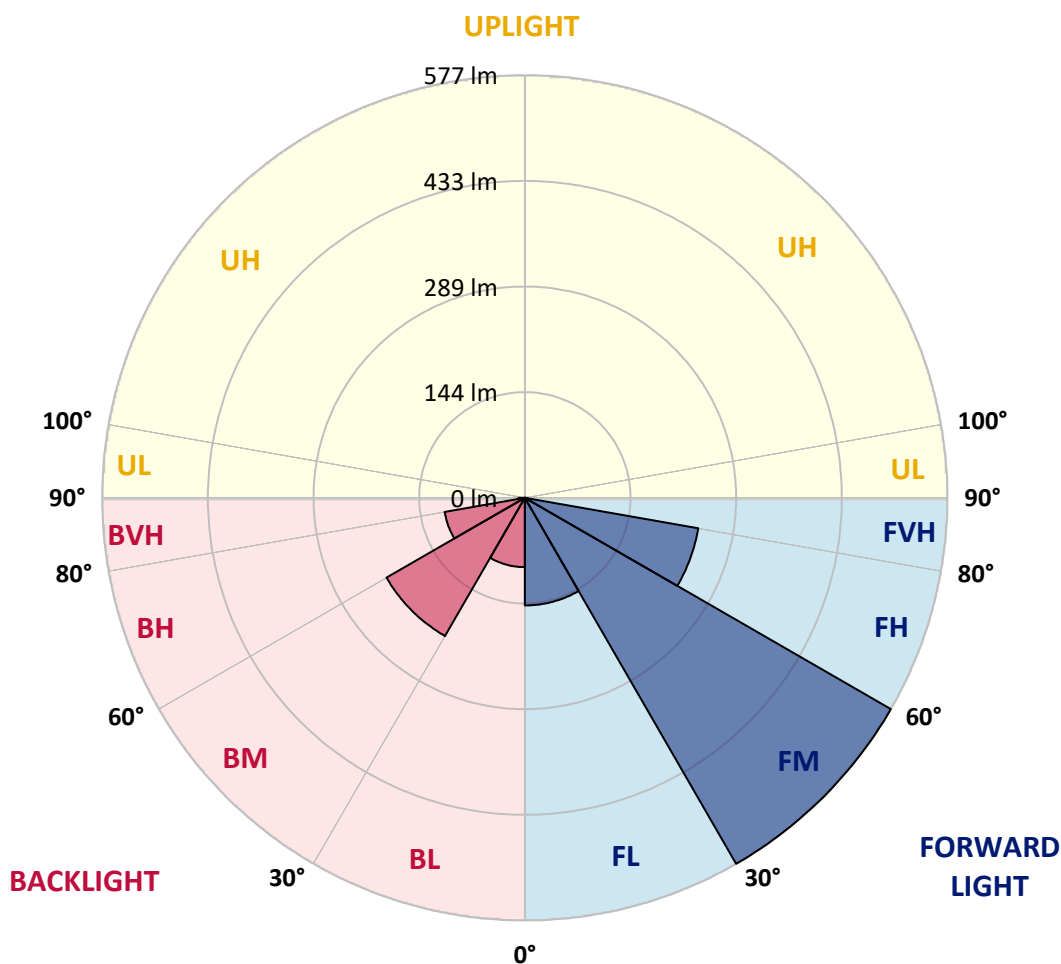
CATALOG NUMBER: GKO-PB1B-840-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.0	10.5			
FM	(30°-60°)	577.2	41.2			
FH	(60°-80°)	240.6	17.2			G0/660
FVH	(80°-90°)	3.9	0.3			G0/10
BL	(0°-30°)	94.7	6.8	B0/110		
BM	(30°-60°)	218.1	15.6	B0/220		
BH	(60°-80°)	111.3	7.9	B1/500		G1/500
BVH	(80°-90°)	8.7	0.6			G0/10
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



REPORT NUMBER: P1211925

CATALOG NUMBER: GKO-PB1B-840-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2
2.5°	206.5	207.0	206.0	205.7	204.6	203.0	201.1	199.8	197.6	196.6	196.0
5°	226.1	225.0	224.2	222.8	219.1	215.9	210.5	206.8	202.7	200.1	199.2
7.5°	249.9	250.5	247.8	244.3	238.9	232.5	223.9	216.9	209.4	206.0	204.3
10°	275.9	278.1	275.4	271.1	260.9	251.3	240.8	228.7	218.6	213.2	211.0
12.5°	307.6	308.9	305.4	299.8	287.5	273.0	258.2	243.2	229.8	223.1	219.4
15°	343.0	341.9	338.4	330.1	314.3	298.2	278.1	258.5	242.7	234.4	229.0
17.5°	379.5	378.1	373.6	362.8	344.9	324.7	300.9	276.2	256.4	247.2	240.0
20°	414.3	413.0	409.8	397.7	376.0	351.3	323.4	296.6	271.9	260.7	252.6
22.5°	452.9	451.9	446.8	432.0	408.7	381.6	349.2	317.2	288.8	275.4	265.8
25°	494.8	495.0	489.4	468.8	442.5	410.8	376.8	340.6	307.9	291.0	280.0
27.5°	543.6	543.3	533.6	511.4	478.4	441.9	404.1	365.0	326.6	306.8	294.2
30°	587.8	586.7	576.0	553.8	515.7	474.7	433.1	388.6	347.8	324.2	308.9
32.5°	620.5	620.8	612.0	587.5	550.3	506.6	460.2	415.1	368.2	343.0	326.1
35°	644.1	644.4	635.8	614.9	580.0	536.3	488.9	440.1	391.0	362.3	344.1
37.5°	651.6	651.6	646.0	629.7	601.2	563.1	517.0	468.5	413.8	383.2	362.3
40°	641.5	642.3	642.0	631.3	611.7	581.7	543.0	495.8	439.3	403.9	380.8
42.5°	618.4	618.9	619.7	615.7	609.5	591.6	564.0	523.7	464.7	426.4	399.0
45°	580.3	582.5	586.5	588.1	590.5	589.2	576.8	549.7	493.2	448.9	417.0
47.5°	532.0	535.5	540.9	550.5	564.0	574.7	580.0	569.9	520.8	472.2	437.1
50°	465.0	468.8	483.2	503.3	529.9	550.8	571.2	584.9	551.6	500.7	459.6
52.5°	372.2	380.3	404.7	443.3	488.9	520.0	552.4	592.1	583.0	534.2	486.5
55°	283.2	286.1	317.5	363.9	434.2	486.7	526.7	588.4	612.5	569.3	517.0
57.5°	197.9	201.1	228.5	279.2	356.9	443.3	500.9	575.8	639.3	610.6	552.2
60°	140.5	144.0	164.4	201.9	277.3	380.0	477.1	559.7	662.6	649.8	592.6
62.5°	102.2	104.0	114.8	146.4	200.3	297.1	443.0	549.2	679.0	690.5	634.2
65°	78.3	80.2	86.3	106.2	148.0	217.2	381.9	548.9	683.3	720.6	670.1
67°	65.2	64.9	70.3	85.3	115.6	163.3	318.8	546.8	678.5	730.2	688.4
67.5°	61.7	62.8	67.0	79.6	109.1	150.4	305.2	543.3	676.8	729.9	689.7
70°	49.1	49.3	53.1	63.0	82.1	109.1	219.6	509.0	652.4	703.7	674.7
72.5°	35.9	35.7	41.3	47.7	62.8	79.4	147.2	427.5	599.6	623.5	599.9
75°	26.5	26.3	29.2	36.5	44.8	59.3	95.5	278.9	406.0	396.6	366.3
77.5°	17.7	18.2	20.9	26.8	31.9	36.7	47.7	128.5	223.6	202.2	194.7
80°	10.7	9.9	11.8	15.3	18.5	18.8	20.4	55.5	96.0	91.4	85.8
82.5°	3.8	3.8	4.6	6.2	6.2	6.2	7.5	13.4	19.0	17.4	16.6
85°	0.0	0.0	0.0	0.0	0.5	0.8	0.5	1.1	1.9	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.8	1.1	1.1
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: P1211925

CATALOG NUMBER: GKO-PB1B-840-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2
2.5°	196.0	196.0	195.2	194.2	193.6	193.3	192.5	191.5	192.3	193.1	193.1
5°	198.7	198.2	196.6	195.5	194.7	194.7	193.6	193.3	194.2	195.0	194.7
7.5°	203.0	201.9	200.1	198.4	198.7	199.0	197.4	197.4	198.2	199.0	199.0
10°	208.9	207.0	205.1	203.8	204.1	204.3	202.7	202.2	203.0	203.8	204.3
12.5°	216.4	214.0	211.9	210.5	210.2	210.5	208.9	208.4	208.4	208.9	208.9
15°	225.3	222.6	219.9	218.0	217.5	217.2	215.1	213.2	213.2	213.5	213.5
17.5°	235.4	231.7	228.2	226.1	224.7	222.8	220.4	217.8	216.9	217.2	217.2
20°	245.6	241.6	237.1	234.1	231.4	228.2	224.5	221.0	219.4	219.4	219.1
22.5°	257.4	252.1	245.9	241.9	237.1	231.7	226.3	221.8	220.2	219.6	219.6
25°	269.5	263.3	254.5	248.3	241.3	233.6	226.6	220.4	217.8	216.7	216.7
27.5°	281.8	274.6	263.1	254.2	244.0	233.3	223.9	216.1	212.4	211.0	210.5
30°	295.8	285.3	270.6	258.5	244.6	230.9	218.8	209.7	204.1	200.9	201.1
32.5°	310.3	297.1	277.6	261.2	243.8	226.3	211.0	199.5	192.3	189.3	188.3
35°	325.0	308.4	283.7	262.5	241.1	219.4	201.1	188.3	180.2	175.9	175.9
37.5°	340.0	320.2	288.0	262.3	236.3	210.2	189.6	175.9	166.5	161.2	159.8
40°	354.8	331.2	291.2	260.1	229.0	199.2	177.3	162.5	149.9	142.9	141.9
42.5°	369.3	340.3	292.8	256.6	220.4	187.2	163.3	143.5	131.4	125.0	124.7
45°	382.4	347.5	293.1	252.1	209.2	173.5	144.5	125.5	113.4	106.7	106.7
47.5°	395.3	355.6	292.8	246.2	196.8	155.8	124.7	106.2	95.2	90.9	89.6
50°	410.8	363.6	292.6	238.9	181.0	134.6	105.4	89.6	80.2	75.9	75.9
52.5°	426.7	373.0	293.1	228.7	162.2	114.0	88.2	74.3	68.1	65.4	65.2
55°	447.0	382.9	294.4	216.7	142.7	93.9	73.5	64.1	59.8	58.5	58.7
57.5°	471.7	396.6	297.1	202.5	119.9	77.0	63.0	57.9	56.9	57.4	57.7
60°	499.9	413.5	300.9	186.4	99.8	64.1	56.9	55.8	56.9	59.0	59.3
62.5°	532.6	433.9	305.7	168.4	79.9	56.3	54.2	55.0	55.8	59.3	59.5
65°	561.5	455.9	306.8	147.2	64.9	51.2	52.6	53.1	55.2	59.3	59.5
67°	577.9	470.9	299.5	127.1	55.5	48.5	50.4	51.0	54.7	58.7	59.3
67.5°	579.8	474.1	294.7	122.0	53.6	48.0	49.9	51.0	54.7	58.7	59.0
70°	574.1	472.0	262.5	92.0	44.2	44.2	46.4	48.8	52.6	56.9	58.7
72.5°	524.0	430.4	203.3	62.5	37.5	40.0	43.2	46.7	50.1	55.2	58.5
75°	331.2	277.0	124.4	41.8	31.4	35.7	40.8	44.8	47.7	51.5	53.6
77.5°	177.0	137.0	53.6	24.7	24.7	31.6	37.8	41.6	43.2	44.5	45.9
80°	83.7	63.8	26.0	14.7	17.2	24.7	33.5	37.5	38.1	39.7	40.2
82.5°	16.6	14.5	8.6	7.8	11.3	17.7	27.9	32.4	32.7	35.4	35.9
85°	2.1	1.9	1.3	2.9	7.2	13.1	21.5	27.9	28.4	28.4	27.9
87.5°	1.1	0.8	0.8	2.1	5.4	9.9	17.7	23.3	23.6	18.5	18.0
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)