

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: INVUE

Report Number: P675585

Luminaire Tested: **CCW-SA-2D-760-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675585
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-760-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL3 distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

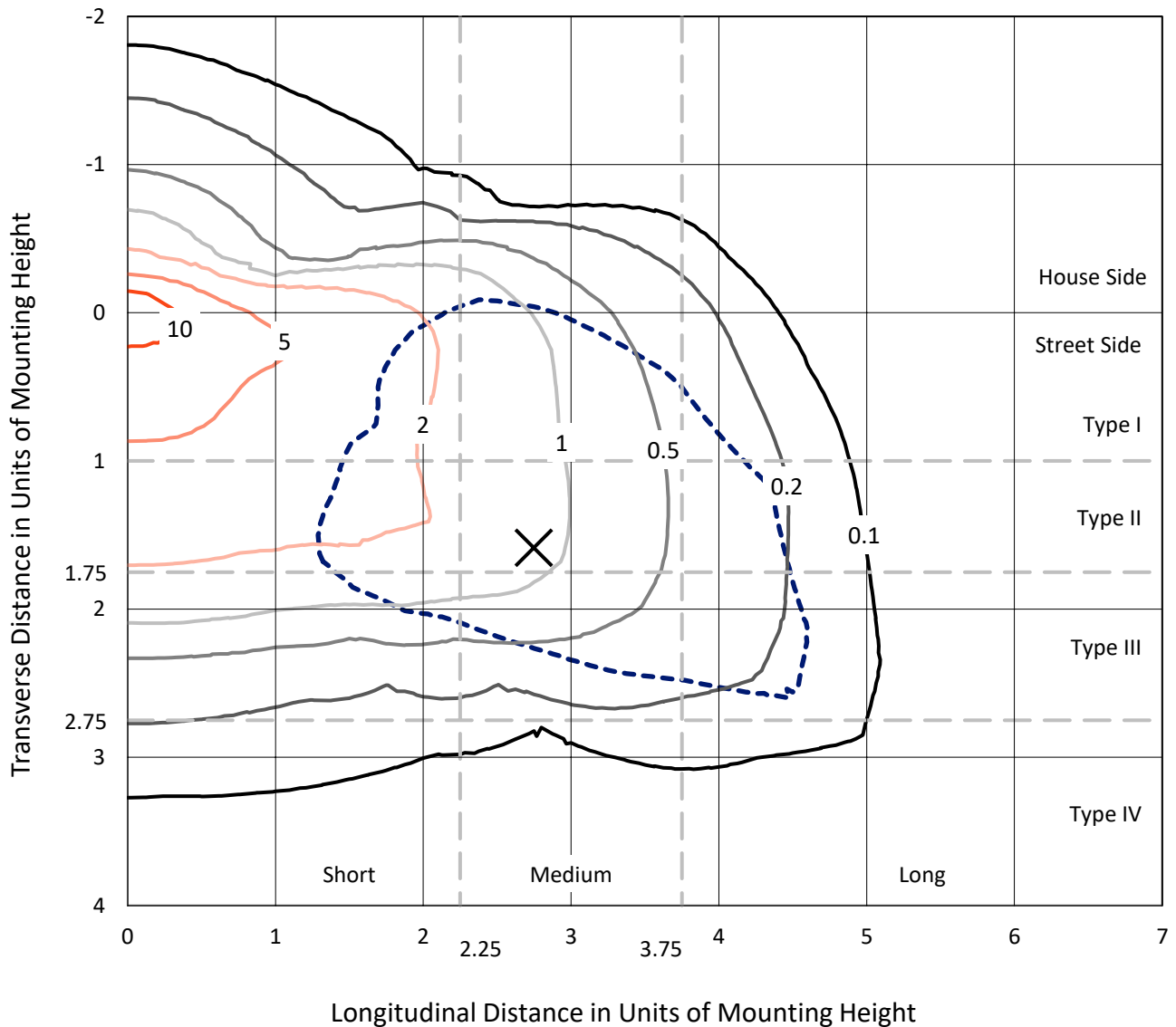
Lumens per Lamp: N/A
Luminaire Lumens: 11279.7 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
Input Voltage (V): 120
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

REPORT NUMBER: P675585
 CATALOG NUMBER: CCW-SA-2D-760-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

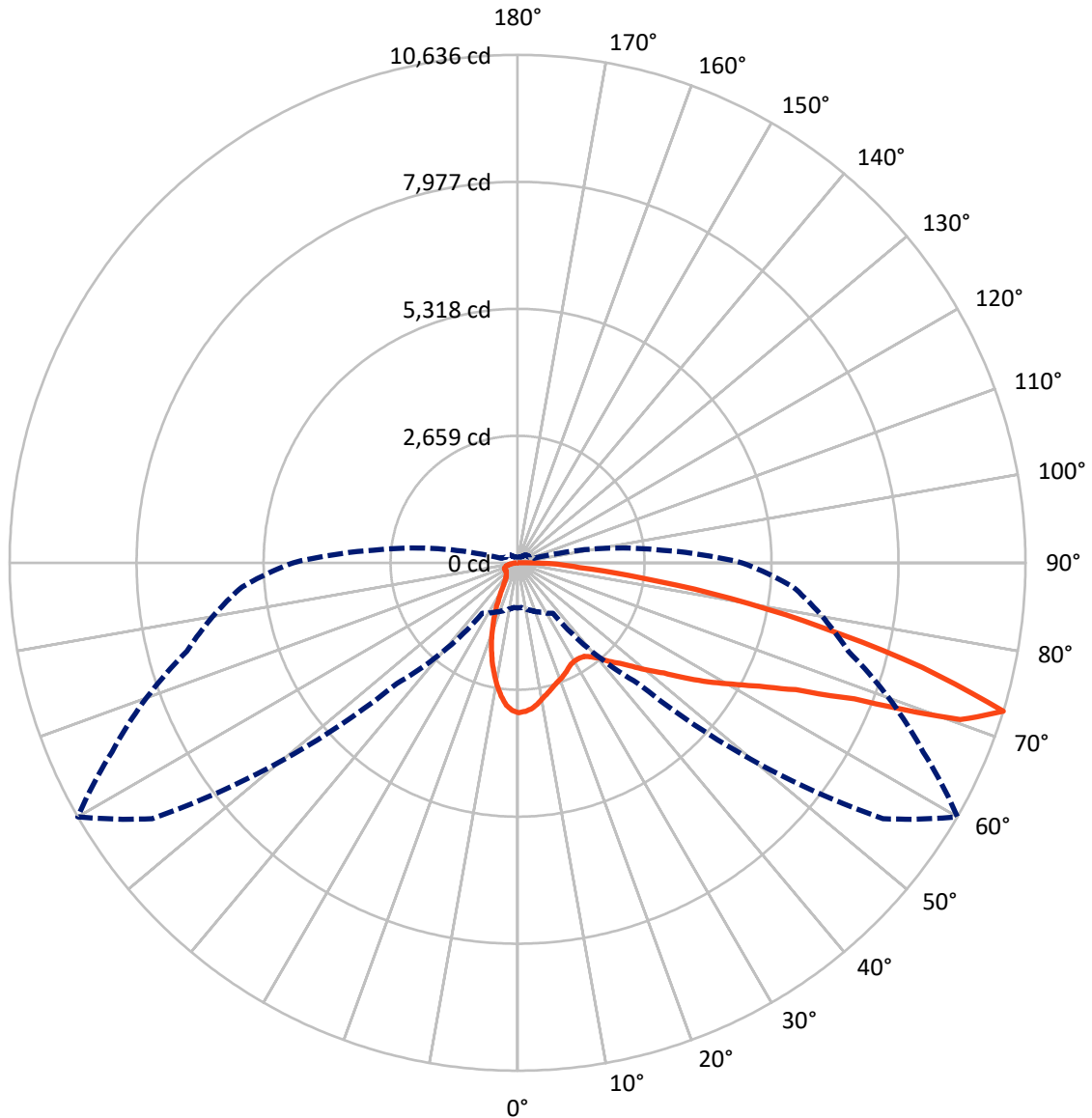
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 14 fc
 Type III - Medium - N/A

REPORT NUMBER: P675585
CATALOG NUMBER: CCW-SA-2D-760-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675585
 CATALOG NUMBER: CCW-SA-2D-760-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1937.7	0.0	1937.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	9342.1	0.0	9342.1
	% Fixture	82.8	0.0	82.8
Total	Lumens	11279.7	0.0	11279.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.2	2.4
10°-20°	617.3	5.5
20°-30°	790.1	7.0
30°-40°	1010.7	9.0
40°-50°	1386.2	12.3
50°-60°	2005.0	17.8
60°-70°	2750.5	24.4
70°-80°	2064.0	18.3
80°-90°	383.6	3.4
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°	11279.7	100.0
0°-180°	11279.7	100.0

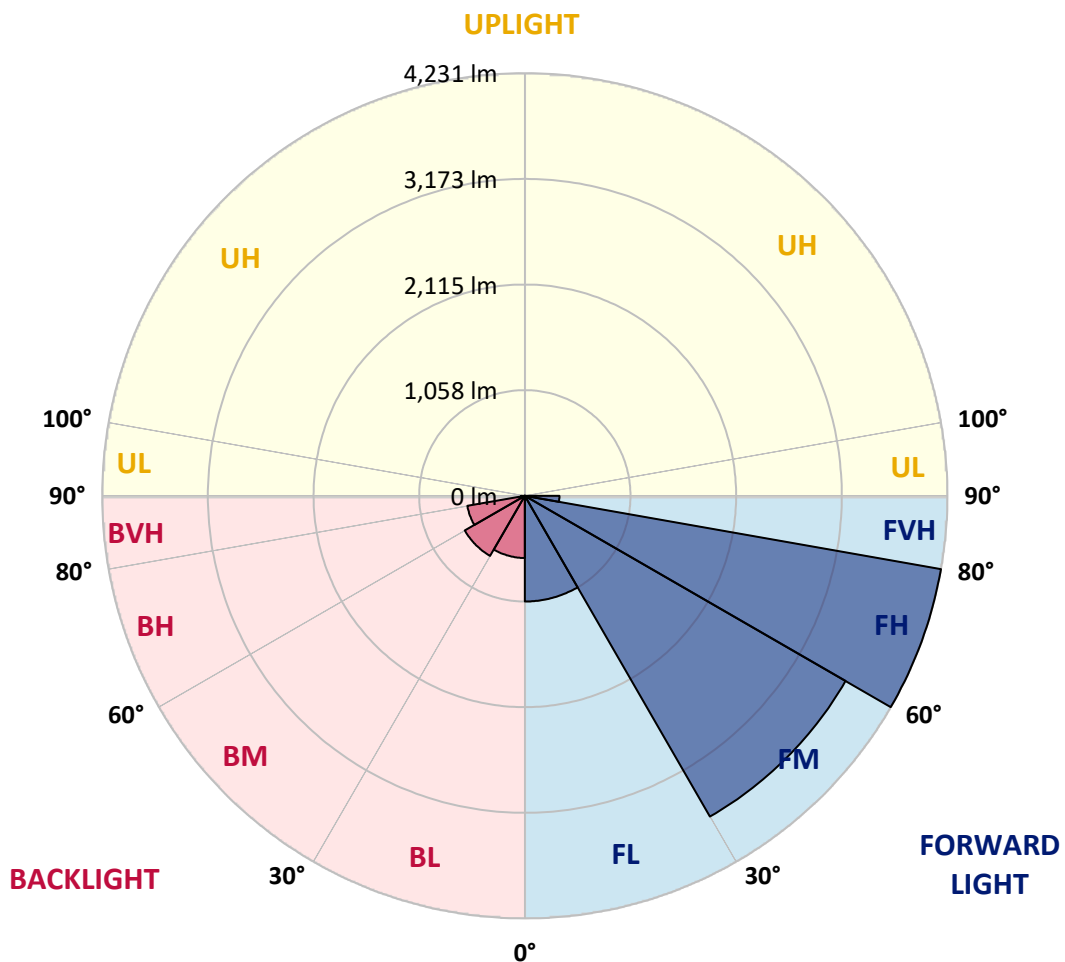


REPORT NUMBER: P675585
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1057.6	9.4			
FM (30°-60°)	3707.6	32.9			
FH (60°-80°)	4230.6	37.5			G2/5000
FVH (80°-90°)	346.3	3.1			G3/500
BL (0°-30°)	622.0	5.5	B2/1000		
BM (30°-60°)	694.4	6.2	B1/1000		
BH (60°-80°)	583.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	37.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





REPORT NUMBER: P675585

CATALOG NUMBER: CCW-SA-2D-760-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8
2.5°	3073.7	3103.1	3111.5	3111.5	3136.6	3107.3	3149.2	3115.6	3124.0	3136.6	3128.2
5°	2926.7	2977.1	2947.7	3002.3	2981.3	3019.1	3069.5	3069.5	3056.9	3082.1	3061.1
7.5°	2783.9	2767.1	2817.5	2817.5	2851.1	2901.5	2943.5	2985.5	2989.7	2998.1	2993.9
10°	2590.8	2611.8	2637.0	2670.6	2712.5	2762.9	2851.1	2884.7	2893.1	2943.5	2930.9
12.5°	2431.2	2460.6	2477.4	2544.6	2582.4	2653.8	2754.5	2800.7	2804.9	2876.3	2876.3
15°	2313.6	2330.4	2368.2	2393.4	2477.4	2578.2	2674.8	2716.7	2762.9	2838.5	2817.5
17.5°	2233.9	2254.9	2271.7	2305.2	2385.0	2469.0	2620.2	2645.4	2699.9	2809.1	2783.9
20°	2187.7	2191.9	2217.1	2238.1	2309.4	2389.2	2523.6	2590.8	2662.2	2758.7	2733.5
22.5°	2196.1	2179.3	2175.1	2204.5	2217.1	2292.6	2456.4	2527.8	2628.6	2741.9	2699.9
25°	2212.9	2217.1	2208.7	2183.5	2187.7	2254.9	2364.0	2456.4	2569.8	2737.7	2653.8
27.5°	2254.9	2275.9	2242.3	2217.1	2191.9	2217.1	2330.4	2397.6	2523.6	2758.7	2649.6
30°	2296.8	2317.8	2309.4	2271.7	2221.3	2212.9	2292.6	2376.6	2498.4	2775.5	2649.6
32.5°	2359.8	2389.2	2359.8	2372.4	2313.6	2275.9	2305.2	2380.8	2523.6	2834.3	2653.8
35°	2431.2	2456.4	2464.8	2435.4	2422.8	2351.4	2368.2	2406.0	2548.8	2901.5	2695.8
37.5°	2511.0	2540.4	2565.6	2569.8	2527.8	2485.8	2477.4	2498.4	2611.8	3019.1	2741.9
40°	2565.6	2582.4	2632.8	2674.8	2687.4	2628.6	2624.4	2624.4	2725.1	3124.0	2825.9
42.5°	2658.0	2649.6	2720.9	2796.5	2817.5	2783.9	2792.3	2825.9	2884.7	3275.2	2960.3
45°	2704.1	2695.8	2779.7	2905.7	3002.3	2985.5	2993.9	3006.5	3061.1	3514.6	3187.0
47.5°	2767.1	2775.5	2897.3	3040.1	3140.8	3199.6	3245.8	3241.6	3283.6	3758.1	3439.0
50°	2830.1	2846.9	2993.9	3145.0	3321.4	3422.2	3489.4	3535.5	3577.5	4014.2	3728.7
52.5°	2951.9	2968.7	3132.4	3296.2	3523.0	3669.9	3837.9	3833.7	3837.9	4270.4	4018.4
55°	3128.2	3132.4	3229.0	3418.0	3724.5	3993.2	4224.2	4249.4	4178.0	4589.5	4350.2
57.5°	3329.8	3346.6	3430.6	3573.3	3884.1	4304.0	4656.7	4707.1	4513.9	4849.8	4652.5
60°	3518.8	3531.3	3661.5	3825.3	4161.2	4694.5	5093.4	5152.2	4942.2	5169.0	4967.4
62.5°	3304.6	3367.6	3598.5	3972.2	4648.3	5286.5	5647.6	5685.4	5357.9	5492.3	5303.3
65°	2645.4	2687.4	3019.1	3623.7	4681.9	6361.5	6504.2	6403.5	5929.0	5908.0	5811.4
67.5°	1473.8	1507.4	1734.2	2368.2	3942.9	6764.6	8347.6	7608.6	6815.0	6533.6	6500.0
70°	1163.1	1171.5	1200.9	1331.1	2187.7	5962.6	9800.4	9834.0	8263.6	7394.4	6647.0
72.5°	944.8	940.6	1028.8	1142.1	1293.3	3577.5	9342.7	10636.0	9372.1	7167.7	5790.4
75°	722.2	734.8	848.2	1012.0	1184.1	1683.8	6970.3	8750.7	8780.1	6680.6	4883.4
77.5°	550.1	554.3	680.2	894.4	1158.9	1188.3	4547.5	6521.0	6550.4	5173.2	2691.6
80°	411.5	411.5	516.5	755.8	1129.5	1095.9	2800.7	4522.3	4094.0	1818.2	587.9
82.5°	235.1	251.9	344.3	575.3	1024.6	1053.9	1578.8	2590.8	1730.0	495.5	272.9
85°	126.0	130.2	209.9	386.3	844.0	1007.8	1205.1	1289.1	688.6	264.5	126.0
87.5°	46.2	46.2	96.6	197.4	533.3	747.4	957.4	823.0	394.7	121.8	63.0
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: P675585

CATALOG NUMBER: CCW-SA-2D-760-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8
2.5°	3136.6	3119.8	3107.3	3119.8	3073.7	3052.7	3077.9	3065.3	3040.1	3027.5	3019.1
5°	3073.7	3052.7	3031.7	3019.1	2968.7	2918.3	2893.1	2842.7	2800.7	2813.3	2788.1
7.5°	3006.5	2985.5	2922.5	2863.7	2762.9	2662.2	2616.0	2544.6	2519.4	2498.4	2485.8
10°	2922.5	2884.7	2788.1	2670.6	2523.6	2410.2	2292.6	2208.7	2120.5	2082.7	2095.3
12.5°	2817.5	2796.5	2645.4	2464.8	2259.1	2070.1	1931.5	1797.2	1679.6	1616.6	1599.8
15°	2771.3	2708.3	2490.0	2250.7	1990.3	1755.2	1549.4	1314.3	1175.7	1108.5	1108.5
17.5°	2720.9	2603.4	2343.0	2015.5	1717.4	1415.1	1125.3	911.2	802.0	764.2	764.2
20°	2641.2	2511.0	2170.9	1793.0	1431.9	1066.5	806.2	688.6	655.0	629.8	634.0
22.5°	2582.4	2422.8	2011.3	1574.6	1133.7	793.6	634.0	596.3	583.7	575.3	579.5
25°	2515.2	2317.8	1843.4	1339.5	890.2	625.6	550.1	533.3	541.7	545.9	545.9
27.5°	2460.6	2229.7	1671.2	1087.5	671.8	529.1	495.5	491.3	508.1	516.5	520.7
30°	2422.8	2149.9	1503.2	856.6	537.5	470.3	453.5	453.5	474.5	482.9	487.1
32.5°	2385.0	2082.7	1322.7	655.0	457.7	419.9	415.7	419.9	432.5	432.5	436.7
35°	2397.6	2019.7	1150.5	529.1	411.5	386.3	386.3	386.3	390.5	394.7	394.7
37.5°	2422.8	2002.9	965.8	445.1	377.9	361.1	361.1	356.9	361.1	356.9	361.1
40°	2448.0	1977.7	797.8	394.7	356.9	344.3	340.1	331.7	327.5	327.5	331.7
42.5°	2553.0	2011.3	655.0	361.1	340.1	331.7	319.1	310.7	306.5	306.5	306.5
45°	2687.4	2074.3	541.7	344.3	327.5	306.5	298.1	293.9	285.5	289.7	293.9
47.5°	2888.9	2170.9	474.5	331.7	314.9	289.7	281.3	272.9	272.9	281.3	281.3
50°	3153.4	2330.4	432.5	319.1	302.3	277.1	264.5	260.3	260.3	272.9	272.9
52.5°	3439.0	2515.2	415.7	314.9	289.7	264.5	251.9	247.7	247.7	264.5	264.5
55°	3724.5	2741.9	428.3	314.9	281.3	251.9	239.3	230.9	235.1	247.7	247.7
57.5°	4039.4	2985.5	491.3	314.9	272.9	247.7	230.9	218.3	222.5	226.7	226.7
60°	4383.7	3304.6	600.5	314.9	268.7	239.3	218.3	201.6	201.6	205.8	205.8
62.5°	4732.3	3619.5	755.8	319.1	272.9	235.1	201.6	184.8	180.6	184.8	184.8
65°	5189.9	4123.4	911.2	319.1	285.5	226.7	189.0	168.0	163.8	163.8	168.0
67.5°	5832.4	4484.5	705.4	306.5	293.9	226.7	176.4	155.4	147.0	147.0	147.0
70°	5492.3	3783.3	449.3	285.5	281.3	235.1	168.0	142.8	134.4	130.2	130.2
72.5°	4702.9	3027.5	361.1	268.7	260.3	230.9	159.6	134.4	121.8	117.6	117.6
75°	3770.7	2389.2	314.9	243.5	226.7	193.2	147.0	121.8	113.4	105.0	105.0
77.5°	1847.6	999.4	239.3	214.1	193.2	147.0	130.2	113.4	100.8	92.4	92.4
80°	461.9	348.5	176.4	168.0	142.8	113.4	105.0	96.6	88.2	79.8	79.8
82.5°	247.7	205.8	126.0	113.4	96.6	79.8	79.8	75.6	71.4	63.0	58.8
85°	126.0	121.8	84.0	75.6	63.0	50.4	54.6	54.6	50.4	37.8	37.8
87.5°	67.2	67.2	42.0	33.6	29.4	25.2	25.2	25.2	21.0	16.8	16.8
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)