

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: STREETWORKS

Report Number: P561111

Luminaire Tested: **SDL-PA1-80-750-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-750-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6342.1 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 82
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



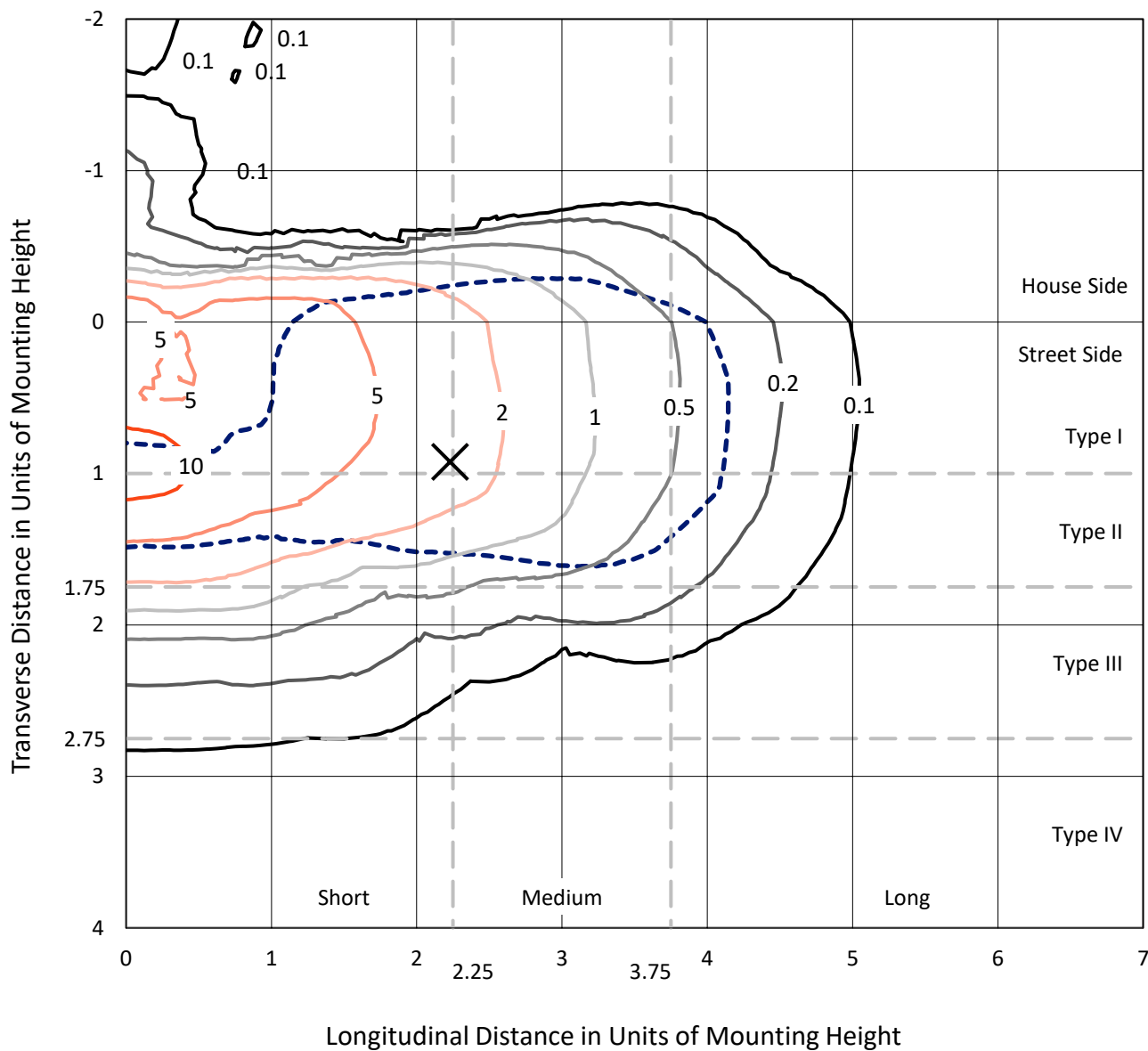
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



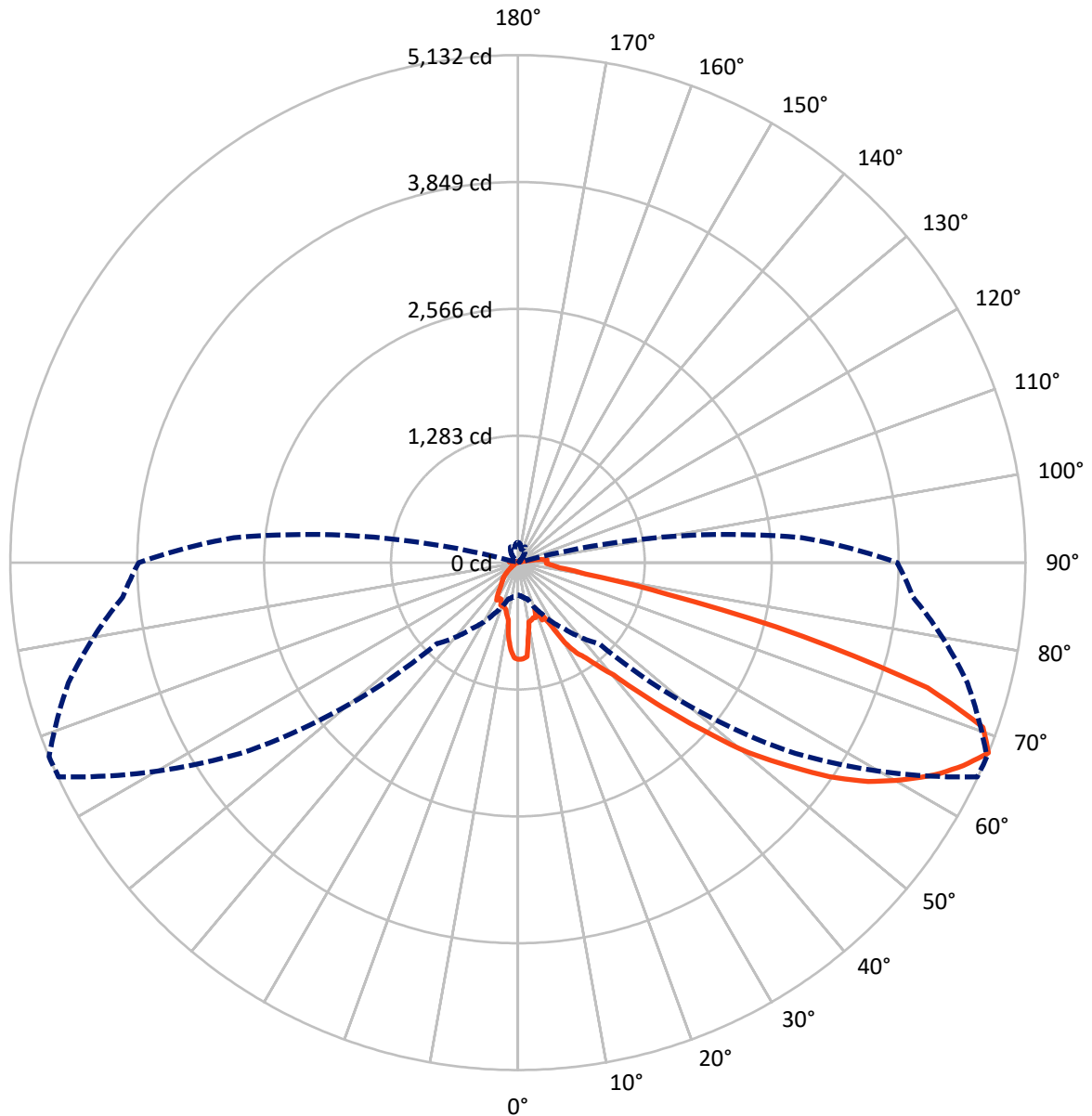
Based on 10 foot mounting height. Maximum calculated value = 12.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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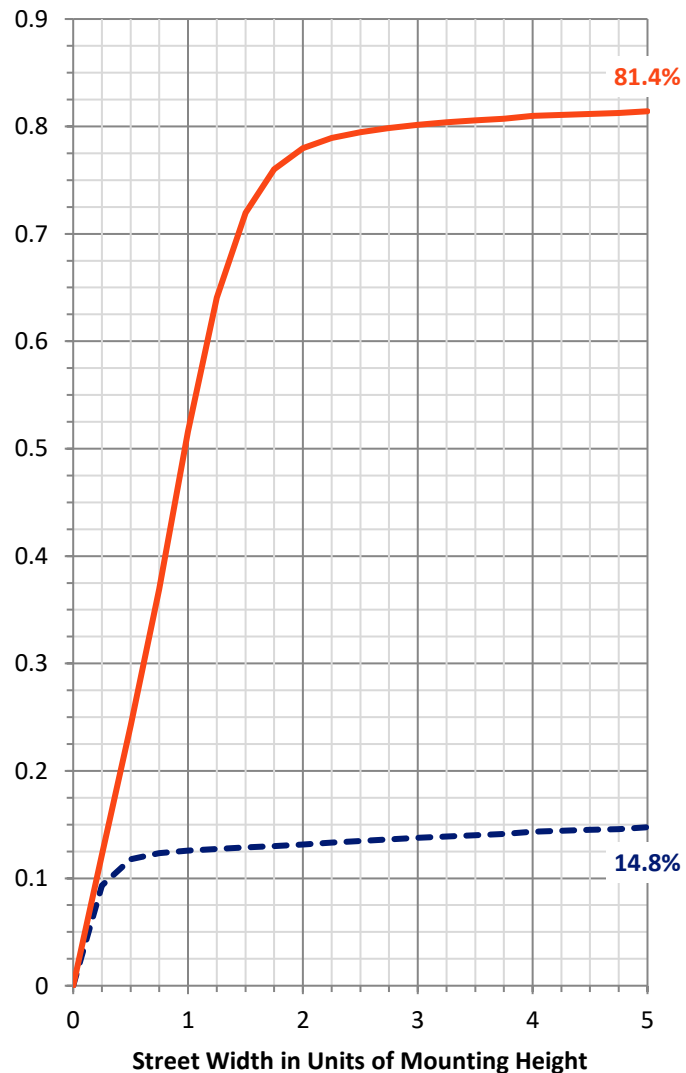
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	992.4	74.0	1066.4
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	5197.0	78.7	5275.7
	% Fixture	81.9	1.2	83.2
Total	Lumens	6189.4	152.7	6342.1
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	1.2
10°-20°	143.4	2.3
20°-30°	216.3	3.4
30°-40°	498.1	7.9
40°-50°	1110.4	17.5
50°-60°	1652.2	26.1
60°-70°	1473.6	23.2
70°-80°	827.1	13.0
80°-90°	193.1	3.0
90°-100°	106.0	1.7
100°-110°	24.4	0.4
110°-120°	9.6	0.2
120°-130°	6.4	0.1
130°-140°	3.3	0.1
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6189.4	97.6
0°-180°	6342.1	100.0



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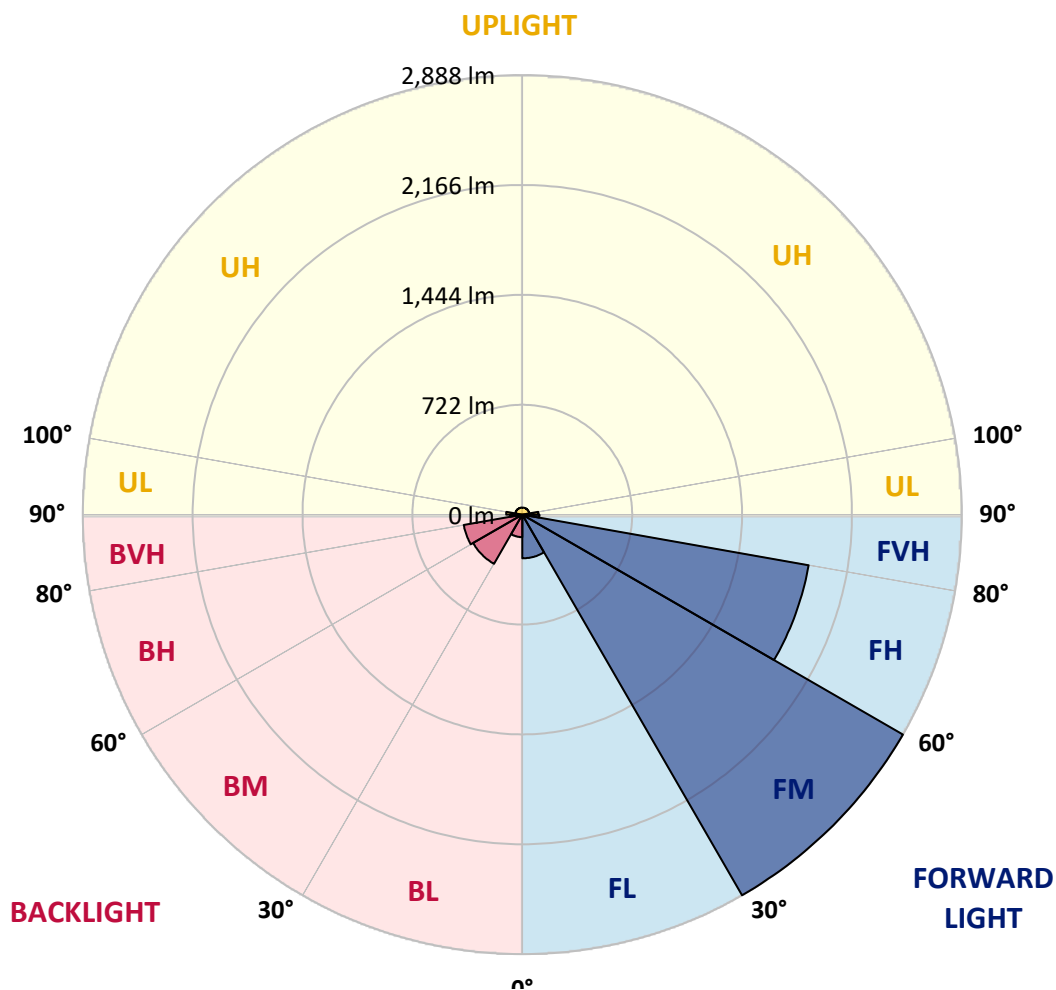
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	286.9	4.5			
FM	(30°-60°)	2887.7	45.5			
FH	(60°-80°)	1910.3	30.1			G2/5000
FVH	(80°-90°)	112.1	1.8			G2/225
BL	(0°-30°)	147.9	2.3	B1/500		
BM	(30°-60°)	373.0	5.9	B1/1000		
BH	(60°-80°)	390.5	6.2	B1/500		G1/500
BVH	(80°-90°)	81.0	1.3			G1/100
UL	(90°-100°)	106.0	1.7		U3/500	
UH	(100°-180°)	46.6	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	978.3	978.3	978.3	978.3	978.3	978.3	978.3	978.3	978.3	978.3	978.3
2.5°	829.4	876.8	927.5	961.4	968.2	978.3	978.3	974.9	974.9	971.5	971.5
5°	805.7	802.3	805.7	812.4	809.1	809.1	809.1	944.5	954.6	961.4	961.4
7.5°	694.0	710.9	765.0	785.4	792.1	798.9	798.9	788.7	751.5	832.7	842.9
10°	754.9	751.5	751.5	758.3	707.5	687.2	619.5	609.3	609.3	636.4	724.4
12.5°	633.0	670.3	721.0	741.4	683.8	605.9	589.0	602.6	599.2	524.7	612.7
15°	717.7	717.7	710.9	697.3	538.2	602.6	507.8	507.8	578.9	622.9	700.7
17.5°	582.2	599.2	683.8	673.6	592.4	453.6	592.4	545.0	585.6	548.4	589.0
20°	714.3	710.9	714.3	545.0	602.6	622.9	592.4	531.5	484.1	636.4	704.1
22.5°	589.0	582.2	616.1	673.6	568.7	646.6	541.6	646.6	629.6	565.3	507.8
25°	761.7	758.3	765.0	595.8	666.9	578.9	666.9	578.9	605.9	724.4	741.4
27.5°	687.2	683.8	673.6	727.8	633.0	731.2	629.6	707.5	727.8	785.4	910.6
30°	968.2	954.6	920.8	731.2	744.7	704.1	744.7	870.0	937.7	1052.8	1090.0
32.5°	1411.6	1340.5	1117.1	968.2	788.7	900.5	842.9	1022.3	1086.6	1144.2	1174.7
35°	1824.6	1794.1	1631.6	1279.6	961.4	995.2	951.2	1144.2	1181.4	1303.3	1296.5
37.5°	2389.9	2339.1	2088.6	1652.0	1208.5	1195.0	1083.3	1303.3	1330.4	1506.4	1472.5
40°	2813.1	2772.4	2576.1	2051.4	1536.9	1418.4	1266.1	1523.3	1492.9	1729.8	1682.4
42.5°	3219.3	3195.6	3043.3	2508.4	1899.1	1763.7	1455.6	1794.1	1787.4	1993.9	1953.2
45°	3547.6	3520.6	3422.4	2918.0	2315.5	2318.8	1753.5	2092.0	2139.4	2335.8	2230.8
47.5°	3740.6	3683.1	3612.0	3243.0	2735.2	2850.3	2193.6	2430.5	2545.6	2714.9	2555.8
50°	3696.6	3639.0	3645.8	3449.5	3121.1	3307.3	2664.1	2789.4	3019.6	3151.6	2836.8
52.5°	3344.5	3310.7	3422.4	3412.2	3317.5	3727.1	3212.5	3178.7	3405.5	3493.5	3124.5
55°	2843.5	2796.1	3006.0	3155.0	3317.5	3987.7	3720.3	3612.0	3818.5	3804.9	3320.8
57.5°	2159.7	2176.7	2413.6	2647.2	3046.6	4038.5	4096.0	4082.5	4177.3	4062.2	3476.6
60°	1475.9	1486.1	1821.2	2085.3	2498.2	3771.1	4217.9	4471.8	4461.6	4278.8	3652.6
62.5°	927.5	924.1	1178.0	1594.4	1797.5	3070.3	4170.5	4766.3	4729.1	4441.3	3788.0
65°	534.9	548.4	639.8	1056.2	1249.1	2095.4	3896.3	5054.0	4949.1	4586.9	3933.6
67.5°	328.4	338.5	382.5	572.1	815.8	1157.7	3314.1	5125.1	5131.9	4705.4	4011.4
70°	277.6	281.0	301.3	352.1	568.7	650.0	2230.8	4793.4	4989.7	4732.5	3987.7
72.5°	233.6	237.0	267.4	308.0	423.1	460.4	1002.0	3960.6	4333.0	4526.0	3815.1
75°	172.6	176.0	220.0	281.0	308.0	369.0	548.4	2623.5	2975.6	3578.1	3253.1
77.5°	111.7	115.1	155.7	226.8	260.7	291.1	443.5	1225.4	1550.4	2068.3	2054.8
80°	74.5	74.5	91.4	159.1	206.5	237.0	385.9	605.9	690.6	853.1	798.9
82.5°	47.4	47.4	57.5	98.2	132.0	237.0	362.2	433.3	419.8	426.5	379.1
85°	20.3	20.3	30.5	54.2	71.1	155.7	325.0	372.4	355.4	355.4	338.5
87.5°	6.8	6.8	10.2	16.9	23.7	47.4	250.5	297.9	287.7	297.9	321.6
90°	6.8	6.8	3.4	6.8	6.8	33.9	203.1	294.5	287.7	301.3	331.7
92.5°	10.2	10.2	3.4	3.4	6.8	27.1	159.1	304.7	294.5	314.8	345.3
95°	16.9	16.9	6.8	3.4	10.2	23.7	98.2	270.8	294.5	311.4	352.1
97.5°	20.3	20.3	6.8	6.8	10.2	20.3	50.8	220.0	226.8	237.0	277.6
100°	27.1	27.1	6.8	6.8	6.8	16.9	27.1	115.1	118.5	84.6	135.4
102.5°	27.1	27.1	6.8	6.8	6.8	10.2	13.5	50.8	47.4	16.9	16.9
105°	30.5	30.5	10.2	6.8	6.8	6.8	6.8	16.9	16.9	10.2	20.3
107.5°	30.5	30.5	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	20.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	16.9	16.9	6.8	10.2	6.8	3.4	3.4	3.4	6.8	13.5	33.9
115°	6.8	6.8	3.4	6.8	3.4	3.4	3.4	6.8	6.8	10.2	27.1
117.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	3.4	10.2	23.7
120°	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	13.5	23.7
122.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	13.5	23.7
125°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	10.2	20.3
127.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8	20.3
130°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8	13.5
132.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8	10.2
135°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	6.8
137.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4
140°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	3.4	3.4	6.8	6.8	3.4	0.0	6.8	3.4	3.4	3.4	3.4
152.5°	6.8	6.8	6.8	6.8	3.4	0.0	3.4	6.8	3.4	3.4	3.4
155°	6.8	6.8	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8	10.2
157.5°	0.0	0.0	0.0	0.0	3.4	0.0	3.4	3.4	0.0	0.0	3.4
160°	0.0	0.0	0.0	0.0	3.4	0.0	3.4	3.4	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	978.3	978.3	978.3	978.3	978.3	978.3	978.3	978.3	978.3	978.3	978.3
2.5°	968.2	968.2	964.8	964.8	954.6	951.2	907.2	859.8	822.6	826.0	826.0
5°	958.0	951.2	941.1	873.4	788.7	775.2	775.2	768.4	765.0	768.4	768.4
7.5°	836.1	829.4	788.7	754.9	758.3	751.5	738.0	734.6	677.0	619.5	616.1
10°	721.0	710.9	602.6	578.9	575.5	599.2	656.7	636.4	616.1	592.4	602.6
12.5°	602.6	599.2	501.0	555.2	484.1	497.6	511.2	490.8	419.8	338.5	348.7
15°	697.3	687.2	568.7	460.4	413.0	416.4	274.2	264.0	213.3	193.0	182.8
17.5°	517.9	568.7	497.6	460.4	416.4	216.7	176.0	135.4	121.9	98.2	101.6
20°	694.0	680.4	568.7	429.9	321.6	182.8	98.2	77.9	94.8	98.2	98.2
22.5°	490.8	477.3	480.7	457.0	226.8	104.9	74.5	77.9	71.1	67.7	67.7
25°	721.0	697.3	582.2	348.7	169.3	67.7	71.1	54.2	64.3	64.3	64.3
27.5°	876.8	795.5	612.7	338.5	94.8	67.7	50.8	54.2	44.0	44.0	44.0
30°	1049.4	1002.0	802.3	314.8	74.5	54.2	47.4	37.2	40.6	40.6	40.6
32.5°	1127.3	1062.9	802.3	250.5	64.3	50.8	37.2	33.9	33.9	37.2	37.2
35°	1239.0	1171.3	798.9	165.9	54.2	40.6	30.5	30.5	30.5	30.5	30.5
37.5°	1408.2	1310.1	812.4	104.9	44.0	33.9	23.7	27.1	27.1	57.5	57.5
40°	1597.8	1486.1	775.2	74.5	37.2	27.1	20.3	33.9	47.4	50.8	50.8
42.5°	1838.1	1716.3	721.0	64.3	33.9	20.3	16.9	27.1	40.6	64.3	64.3
45°	2125.9	1943.1	646.6	57.5	27.1	16.9	16.9	33.9	50.8	60.9	60.9
47.5°	2383.2	2163.1	517.9	54.2	23.7	13.5	23.7	37.2	44.0	71.1	71.1
50°	2684.4	2393.3	396.1	47.4	20.3	13.5	37.2	40.6	50.8	64.3	64.3
52.5°	2907.9	2586.3	301.3	44.0	20.3	10.2	37.2	37.2	57.5	74.5	74.5
55°	3087.3	2691.2	216.7	37.2	16.9	10.2	44.0	47.4	50.8	57.5	57.5
57.5°	3226.1	2765.7	169.3	33.9	16.9	23.7	54.2	60.9	54.2	57.5	57.5
60°	3385.2	2802.9	125.3	30.5	13.5	23.7	64.3	81.2	60.9	88.0	84.6
62.5°	3530.7	2830.0	101.6	30.5	13.5	27.1	71.1	101.6	81.2	118.5	121.9
65°	3713.5	2863.8	84.6	23.7	13.5	37.2	84.6	135.4	108.3	155.7	162.5
67.5°	3835.4	2884.2	71.1	23.7	13.5	44.0	118.5	176.0	135.4	196.3	203.1
70°	3848.9	2809.7	57.5	23.7	13.5	67.7	162.5	213.3	169.3	250.5	253.9
72.5°	3672.9	2596.4	47.4	27.1	13.5	74.5	189.6	247.1	199.7	331.7	335.1
75°	2968.8	1821.2	44.0	27.1	13.5	94.8	206.5	270.8	223.4	345.3	352.1
77.5°	1824.6	842.9	40.6	30.5	20.3	104.9	209.9	287.7	233.6	345.3	355.4
80°	707.5	416.4	37.2	33.9	47.4	118.5	226.8	291.1	233.6	321.6	335.1
82.5°	328.4	243.7	37.2	37.2	60.9	121.9	223.4	270.8	216.7	287.7	284.4
85°	294.5	240.3	40.6	40.6	64.3	104.9	176.0	230.2	186.2	226.8	226.8
87.5°	287.7	237.0	44.0	50.8	64.3	60.9	135.4	196.3	159.1	169.3	169.3
90°	294.5	247.1	47.4	57.5	54.2	33.9	108.3	162.5	121.9	108.3	104.9
92.5°	314.8	250.5	57.5	67.7	50.8	27.1	91.4	132.0	88.0	71.1	67.7
95°	331.7	257.3	71.1	81.2	54.2	23.7	81.2	104.9	64.3	44.0	40.6
97.5°	277.6	199.7	81.2	88.0	54.2	23.7	71.1	84.6	50.8	23.7	23.7
100°	118.5	88.0	84.6	94.8	50.8	20.3	60.9	67.7	33.9	10.2	13.5
102.5°	23.7	27.1	74.5	88.0	40.6	13.5	40.6	40.6	23.7	3.4	6.8
105°	23.7	20.3	47.4	74.5	23.7	6.8	16.9	23.7	10.2	3.4	3.4
107.5°	23.7	23.7	16.9	37.2	10.2	6.8	6.8	10.2	6.8	3.4	3.4



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CATALOG NUMBER: SDL-PA1-80-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.9	30.5	6.8	10.2	10.2	6.8	3.4	3.4	6.8	23.7	27.1
115°	30.5	27.1	10.2	10.2	6.8	6.8	3.4	3.4	6.8	27.1	30.5
117.5°	23.7	23.7	10.2	6.8	6.8	6.8	3.4	3.4	6.8	27.1	27.1
120°	27.1	23.7	10.2	6.8	3.4	3.4	3.4	3.4	6.8	20.3	20.3
122.5°	27.1	23.7	10.2	6.8	3.4	3.4	3.4	3.4	6.8	20.3	23.7
125°	23.7	20.3	10.2	6.8	3.4	3.4	3.4	3.4	10.2	20.3	20.3
127.5°	20.3	16.9	6.8	3.4	3.4	3.4	3.4	3.4	10.2	16.9	16.9
130°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	3.4	10.2	13.5	13.5
132.5°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	13.5
135°	10.2	6.8	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
152.5°	3.4	3.4	6.8	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
155°	10.2	10.2	10.2	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



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110° | 23.7 23.7 10.2 10.2 6.8 3.4 3.4 3.4 6.8 10.2 23.7



110°	27.1	23.7	6.8	10.2	6.8	6.8	6.8	6.8	3.4	16.9	20.3
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(END OF REPORT)