

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: P560055

Luminaire Tested: **SDL-PA1-20-750-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560055
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-PA1-20-750-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 260mA 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: 1873 lumens
Efficiency: N/A
Efficacy: 89.2 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 - U2 - G1

Input Watts (W): 21
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

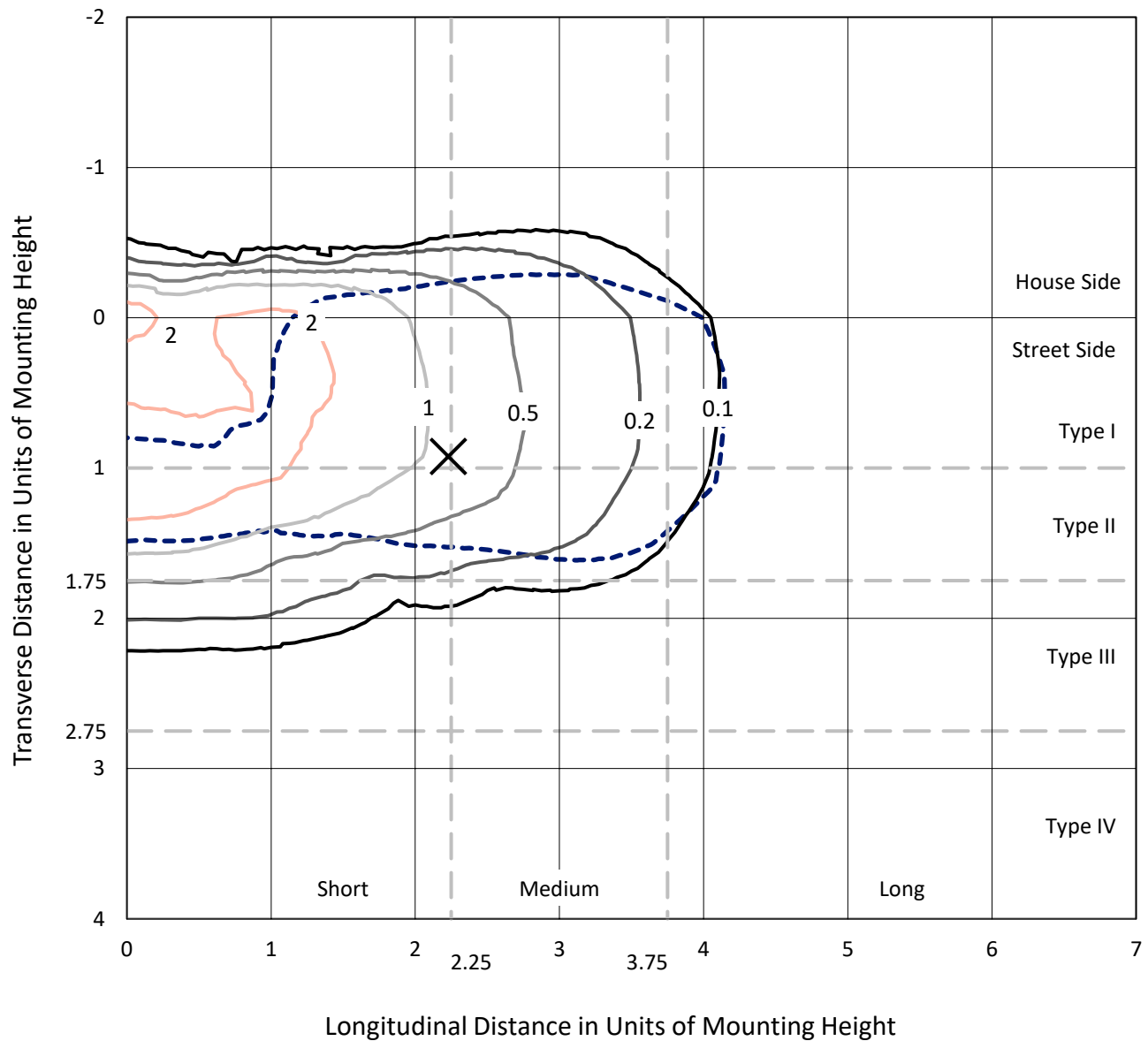


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

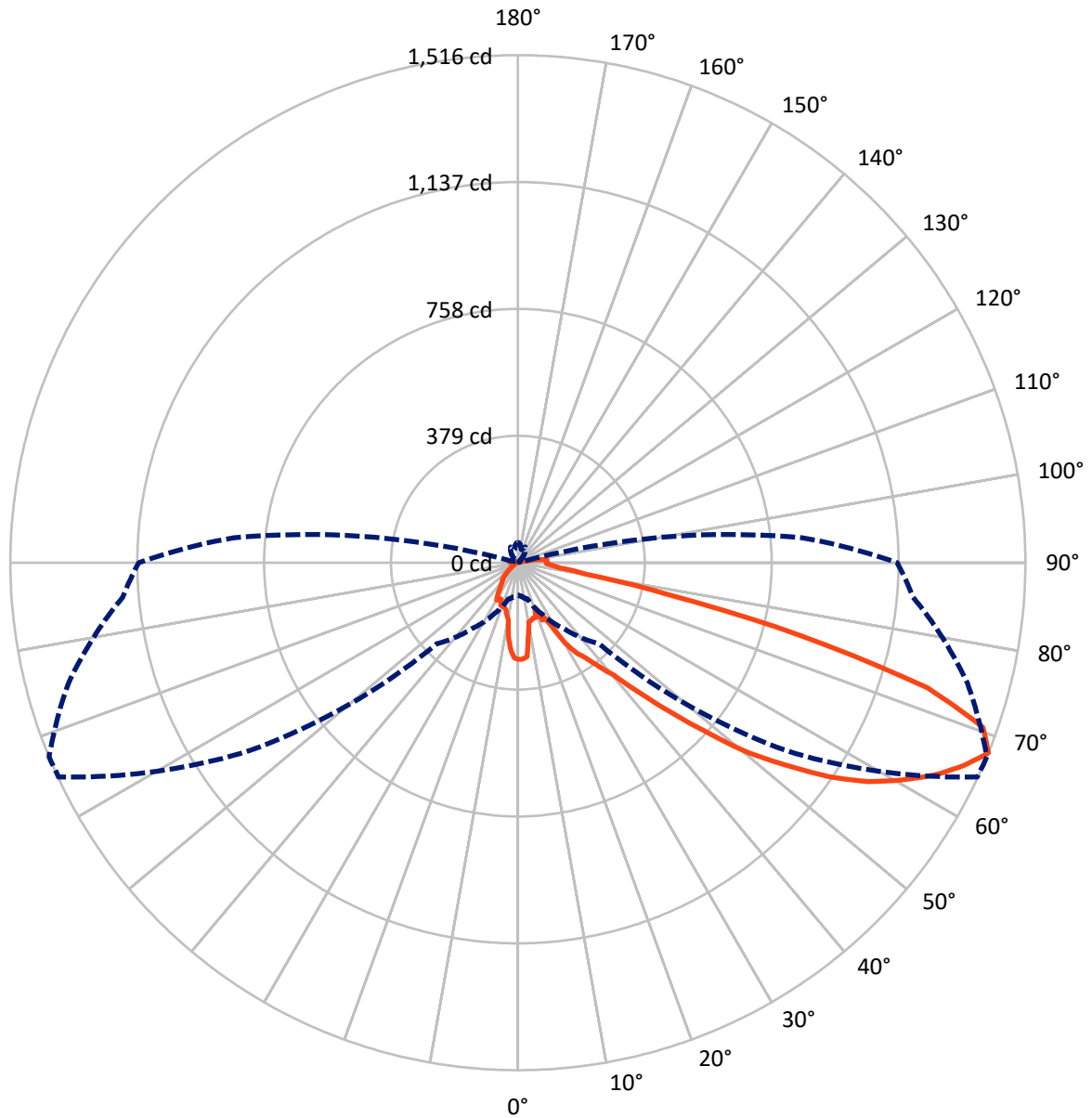


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
Type II - Short - N/A

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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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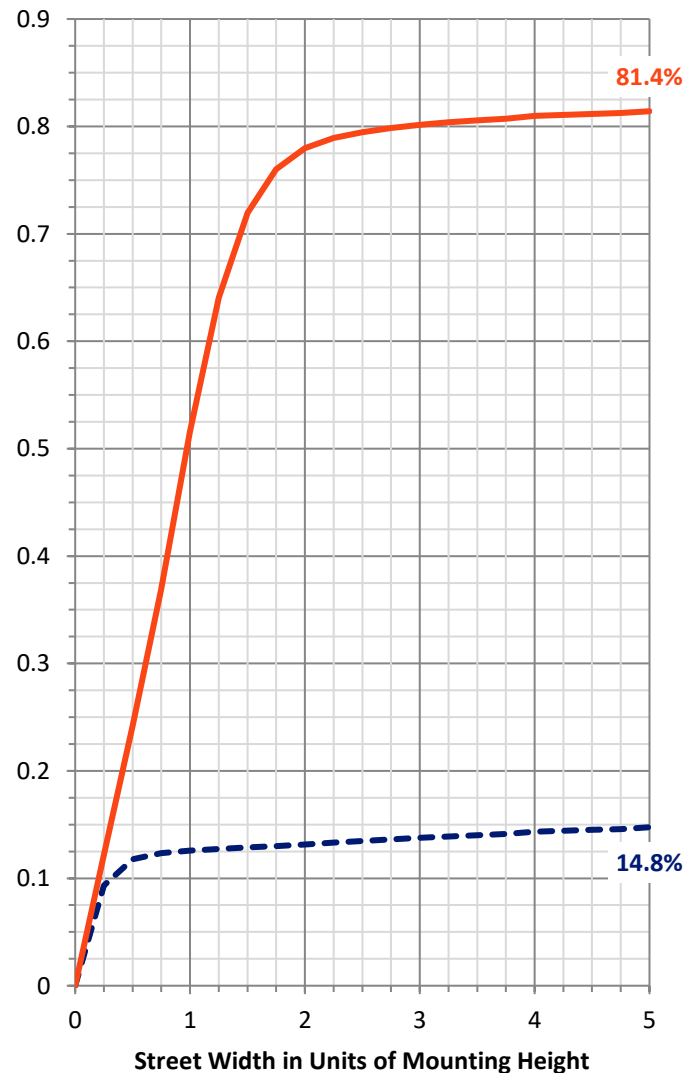
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.1	21.8	315.0
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1534.9	23.2	1558.1
	% Fixture	81.9	1.2	83.2
Total	Lumens	1828.0	45.1	1873.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	1.2
10°-20°	42.3	2.3
20°-30°	63.9	3.4
30°-40°	147.1	7.9
40°-50°	327.9	17.5
50°-60°	488.0	26.1
60°-70°	435.2	23.2
70°-80°	244.3	13.0
80°-90°	57.0	3.0
90°-100°	31.3	1.7
100°-110°	7.2	0.4
110°-120°	2.8	0.2
120°-130°	1.9	0.1
130°-140°	1.0	0.1
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1828.0	97.6
0°-180°	1873.0	100.0

Coefficient of Utilization



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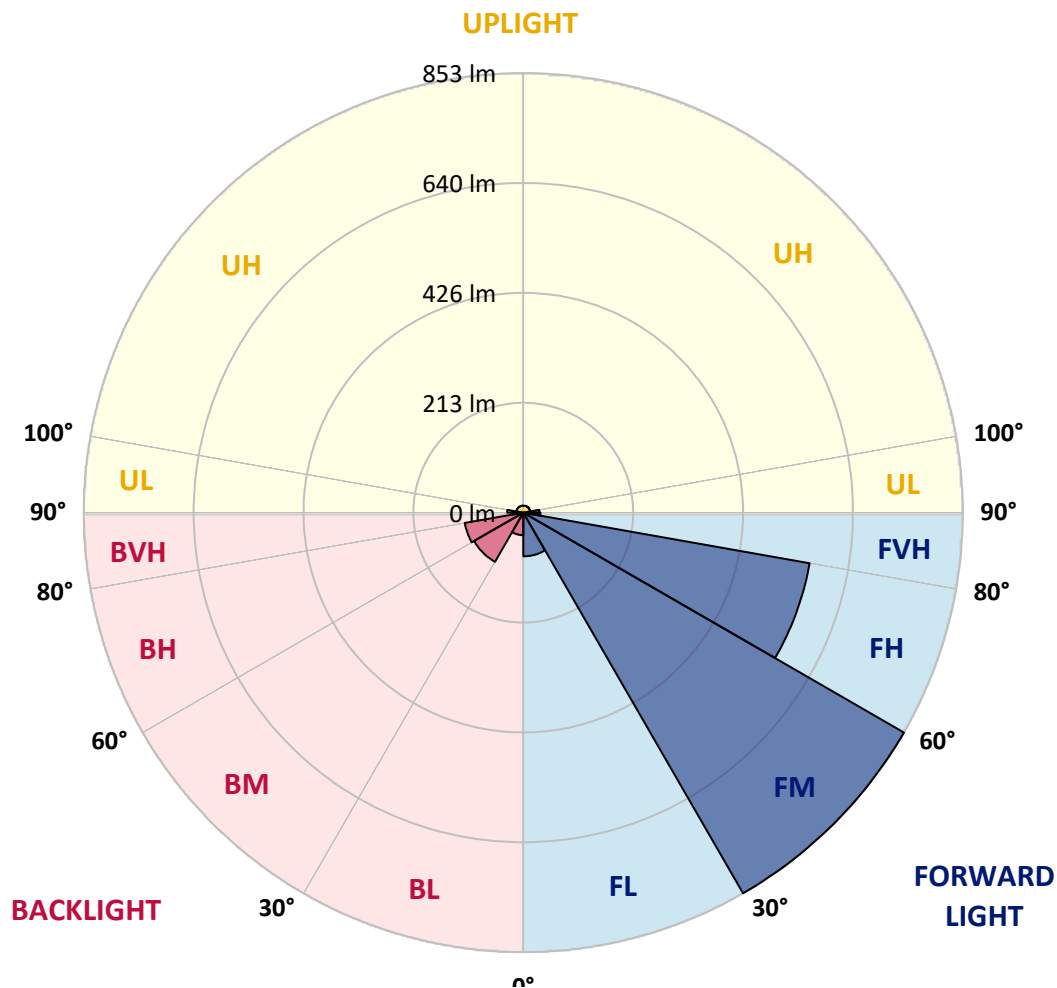
CATALOG NUMBER: SDL-PA1-20-750-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.7	4.5			
FM	(30°-60°)	852.8	45.5			
FH	(60°-80°)	564.2	30.1			G0/660
FVH	(80°-90°)	33.1	1.8			G1/100
BL	(0°-30°)	43.7	2.3	B0/110		
BM	(30°-60°)	110.2	5.9	B0/220		
BH	(60°-80°)	115.3	6.2	B1/500		G1/500
BVH	(80°-90°)	23.9	1.3			G1/100
UL	(90°-100°)	31.3	1.7		U2/50	
UH	(100°-180°)	13.8	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	244.9	258.9	273.9	283.9	285.9	288.9	288.9	287.9	287.9	286.9	286.9
5°	237.9	236.9	237.9	239.9	238.9	238.9	238.9	278.9	281.9	283.9	283.9
7.5°	204.9	209.9	225.9	231.9	233.9	235.9	235.9	232.9	221.9	245.9	248.9
10°	222.9	221.9	221.9	223.9	208.9	202.9	183.0	180.0	180.0	188.0	213.9
12.5°	187.0	197.9	212.9	218.9	201.9	179.0	174.0	178.0	177.0	155.0	181.0
15°	211.9	211.9	209.9	205.9	159.0	178.0	150.0	150.0	171.0	184.0	206.9
17.5°	172.0	177.0	201.9	198.9	175.0	134.0	175.0	161.0	173.0	162.0	174.0
20°	210.9	209.9	210.9	161.0	178.0	184.0	175.0	157.0	143.0	188.0	207.9
22.5°	174.0	172.0	182.0	198.9	168.0	191.0	160.0	191.0	186.0	167.0	150.0
25°	224.9	223.9	225.9	176.0	197.0	171.0	197.0	171.0	179.0	213.9	218.9
27.5°	202.9	201.9	198.9	214.9	187.0	215.9	186.0	208.9	214.9	231.9	268.9
30°	285.9	281.9	271.9	215.9	219.9	207.9	219.9	256.9	276.9	310.9	321.9
32.5°	416.9	395.9	329.9	285.9	232.9	265.9	248.9	301.9	320.9	337.9	346.9
35°	538.9	529.9	481.9	377.9	283.9	293.9	280.9	337.9	348.9	384.9	382.9
37.5°	705.8	690.8	616.8	487.9	356.9	352.9	319.9	384.9	392.9	444.9	434.9
40°	830.8	818.8	760.8	605.8	453.9	418.9	373.9	449.9	440.9	510.9	496.9
42.5°	950.8	943.8	898.8	740.8	560.9	520.9	429.9	529.9	527.9	588.9	576.9
45°	1047.7	1039.7	1010.7	861.8	683.8	684.8	517.9	617.8	631.8	689.8	658.8
47.5°	1104.7	1087.7	1066.7	957.8	807.8	841.8	647.8	717.8	751.8	801.8	754.8
50°	1091.7	1074.7	1076.7	1018.7	921.8	976.8	786.8	823.8	891.8	930.8	837.8
52.5°	987.7	977.8	1010.7	1007.7	979.8	1100.7	948.8	938.8	1005.7	1031.7	922.8
55°	839.8	825.8	887.8	931.8	979.8	1177.7	1098.7	1066.7	1127.7	1123.7	980.8
57.5°	637.8	642.8	712.8	781.8	899.8	1192.7	1209.7	1205.7	1233.7	1199.7	1026.7
60°	435.9	438.9	537.9	615.8	737.8	1113.7	1245.7	1320.7	1317.7	1263.7	1078.7
62.5°	273.9	272.9	347.9	470.9	530.9	906.8	1231.7	1407.6	1396.6	1311.7	1118.7
65°	158.0	162.0	189.0	311.9	368.9	618.8	1150.7	1492.6	1461.6	1354.7	1161.7
67.5°	97.0	100.0	113.0	169.0	240.9	341.9	978.8	1513.6	1515.6	1389.6	1184.7
70°	82.0	83.0	89.0	104.0	168.0	192.0	658.8	1415.6	1473.6	1397.6	1177.7
72.5°	69.0	70.0	79.0	91.0	125.0	136.0	295.9	1169.7	1279.7	1336.7	1126.7
75°	51.0	52.0	65.0	83.0	91.0	109.0	162.0	774.8	878.8	1056.7	960.8
77.5°	33.0	34.0	46.0	67.0	77.0	86.0	131.0	361.9	457.9	610.8	606.8
80°	22.0	22.0	27.0	47.0	61.0	70.0	114.0	179.0	203.9	251.9	235.9
82.5°	14.0	14.0	17.0	29.0	39.0	70.0	107.0	128.0	124.0	126.0	112.0
85°	6.0	6.0	9.0	16.0	21.0	46.0	96.0	110.0	105.0	105.0	100.0
87.5°	2.0	2.0	3.0	5.0	7.0	14.0	74.0	88.0	85.0	88.0	95.0
90°	2.0	2.0	1.0	2.0	2.0	10.0	60.0	87.0	85.0	89.0	98.0
92.5°	3.0	3.0	1.0	1.0	2.0	8.0	47.0	90.0	87.0	93.0	102.0
95°	5.0	5.0	2.0	1.0	3.0	7.0	29.0	80.0	87.0	92.0	104.0
97.5°	6.0	6.0	2.0	2.0	3.0	6.0	15.0	65.0	67.0	70.0	82.0
100°	8.0	8.0	2.0	2.0	2.0	5.0	8.0	34.0	35.0	25.0	40.0
102.5°	8.0	8.0	2.0	2.0	2.0	3.0	4.0	15.0	14.0	5.0	5.0
105°	9.0	9.0	3.0	2.0	2.0	2.0	2.0	5.0	5.0	3.0	6.0
107.5°	9.0	9.0	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	6.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	5.0	5.0	2.0	3.0	2.0	1.0	1.0	1.0	2.0	4.0	10.0
115°	2.0	2.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	3.0	8.0
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	7.0
120°	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	7.0
122.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	4.0	7.0
125°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	3.0	6.0
127.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0	6.0
130°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0	4.0
132.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0	3.0
135°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	2.0
137.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	2.0	2.0	1.0	0.0	2.0	1.0	1.0	1.0	1.0
152.5°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	2.0	1.0	1.0	1.0
155°	2.0	2.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0	3.0
157.5°	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	285.9	285.9	284.9	284.9	281.9	280.9	267.9	253.9	242.9	243.9	243.9
5°	282.9	280.9	277.9	257.9	232.9	228.9	228.9	226.9	225.9	226.9	226.9
7.5°	246.9	244.9	232.9	222.9	223.9	221.9	217.9	216.9	199.9	183.0	182.0
10°	212.9	209.9	178.0	171.0	170.0	177.0	194.0	188.0	182.0	175.0	178.0
12.5°	178.0	177.0	148.0	164.0	143.0	147.0	151.0	145.0	124.0	100.0	103.0
15°	205.9	202.9	168.0	136.0	122.0	123.0	81.0	78.0	63.0	57.0	54.0
17.5°	153.0	168.0	147.0	136.0	123.0	64.0	52.0	40.0	36.0	29.0	30.0
20°	204.9	200.9	168.0	127.0	95.0	54.0	29.0	23.0	28.0	29.0	29.0
22.5°	145.0	141.0	142.0	135.0	67.0	31.0	22.0	23.0	21.0	20.0	20.0
25°	212.9	205.9	172.0	103.0	50.0	20.0	21.0	16.0	19.0	19.0	19.0
27.5°	258.9	234.9	181.0	100.0	28.0	20.0	15.0	16.0	13.0	13.0	13.0
30°	309.9	295.9	236.9	93.0	22.0	16.0	14.0	11.0	12.0	12.0	12.0
32.5°	332.9	313.9	236.9	74.0	19.0	15.0	11.0	10.0	10.0	11.0	11.0
35°	365.9	345.9	235.9	49.0	16.0	12.0	9.0	9.0	9.0	9.0	9.0
37.5°	415.9	386.9	239.9	31.0	13.0	10.0	7.0	8.0	8.0	17.0	17.0
40°	471.9	438.9	228.9	22.0	11.0	8.0	6.0	10.0	14.0	15.0	15.0
42.5°	542.9	506.9	212.9	19.0	10.0	6.0	5.0	8.0	12.0	19.0	19.0
45°	627.8	573.9	191.0	17.0	8.0	5.0	5.0	10.0	15.0	18.0	18.0
47.5°	703.8	638.8	153.0	16.0	7.0	4.0	7.0	11.0	13.0	21.0	21.0
50°	792.8	706.8	117.0	14.0	6.0	4.0	11.0	12.0	15.0	19.0	19.0
52.5°	858.8	763.8	89.0	13.0	6.0	3.0	11.0	11.0	17.0	22.0	22.0
55°	911.8	794.8	64.0	11.0	5.0	3.0	13.0	14.0	15.0	17.0	17.0
57.5°	952.8	816.8	50.0	10.0	5.0	7.0	16.0	18.0	16.0	17.0	17.0
60°	999.7	827.8	37.0	9.0	4.0	7.0	19.0	24.0	18.0	26.0	25.0
62.5°	1042.7	835.8	30.0	9.0	4.0	8.0	21.0	30.0	24.0	35.0	36.0
65°	1096.7	845.8	25.0	7.0	4.0	11.0	25.0	40.0	32.0	46.0	48.0
67.5°	1132.7	851.8	21.0	7.0	4.0	13.0	35.0	52.0	40.0	58.0	60.0
70°	1136.7	829.8	17.0	7.0	4.0	20.0	48.0	63.0	50.0	74.0	75.0
72.5°	1084.7	766.8	14.0	8.0	4.0	22.0	56.0	73.0	59.0	98.0	99.0
75°	876.8	537.9	13.0	8.0	4.0	28.0	61.0	80.0	66.0	102.0	104.0
77.5°	538.9	248.9	12.0	9.0	6.0	31.0	62.0	85.0	69.0	102.0	105.0
80°	208.9	123.0	11.0	10.0	14.0	35.0	67.0	86.0	69.0	95.0	99.0
82.5°	97.0	72.0	11.0	11.0	18.0	36.0	66.0	80.0	64.0	85.0	84.0
85°	87.0	71.0	12.0	12.0	19.0	31.0	52.0	68.0	55.0	67.0	67.0
87.5°	85.0	70.0	13.0	15.0	19.0	18.0	40.0	58.0	47.0	50.0	50.0
90°	87.0	73.0	14.0	17.0	16.0	10.0	32.0	48.0	36.0	32.0	31.0
92.5°	93.0	74.0	17.0	20.0	15.0	8.0	27.0	39.0	26.0	21.0	20.0
95°	98.0	76.0	21.0	24.0	16.0	7.0	24.0	31.0	19.0	13.0	12.0
97.5°	82.0	59.0	24.0	26.0	16.0	7.0	21.0	25.0	15.0	7.0	7.0
100°	35.0	26.0	25.0	28.0	15.0	6.0	18.0	20.0	10.0	3.0	4.0
102.5°	7.0	8.0	22.0	26.0	12.0	4.0	12.0	12.0	7.0	1.0	2.0
105°	7.0	6.0	14.0	22.0	7.0	2.0	5.0	7.0	3.0	1.0	1.0
107.5°	7.0	7.0	5.0	11.0	3.0	2.0	2.0	3.0	2.0	1.0	1.0



REPORT NUMBER: P560055

CATALOG NUMBER: SDL-PA1-20-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	9.0	2.0	3.0	3.0	2.0	1.0	1.0	2.0	7.0	8.0
115°	9.0	8.0	3.0	3.0	2.0	2.0	1.0	1.0	2.0	8.0	9.0
117.5°	7.0	7.0	3.0	2.0	2.0	2.0	1.0	1.0	2.0	8.0	8.0
120°	8.0	7.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	6.0	6.0
122.5°	8.0	7.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	6.0	7.0
125°	7.0	6.0	3.0	2.0	1.0	1.0	1.0	1.0	3.0	6.0	6.0
127.5°	6.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	5.0
130°	4.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0	4.0
132.5°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	4.0
135°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
152.5°	1.0	1.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
155°	3.0	3.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.0	1.0	1.0	1.0	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° | 7.0 7.0 3.0 3.0 2.0 1.0 1.0 1.0 2.0 3.0 7.0



110° | 8.0 7.0 2.0 3.0 2.0 2.0 2.0 2.0 1.0 5.0 6.0



(END OF REPORT)