

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: P560046

Luminaire Tested: **SDL-PA1-20-750-U-SL3-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)  
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-SL3-A  
Description: Springdale  
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2564 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U2 - G2

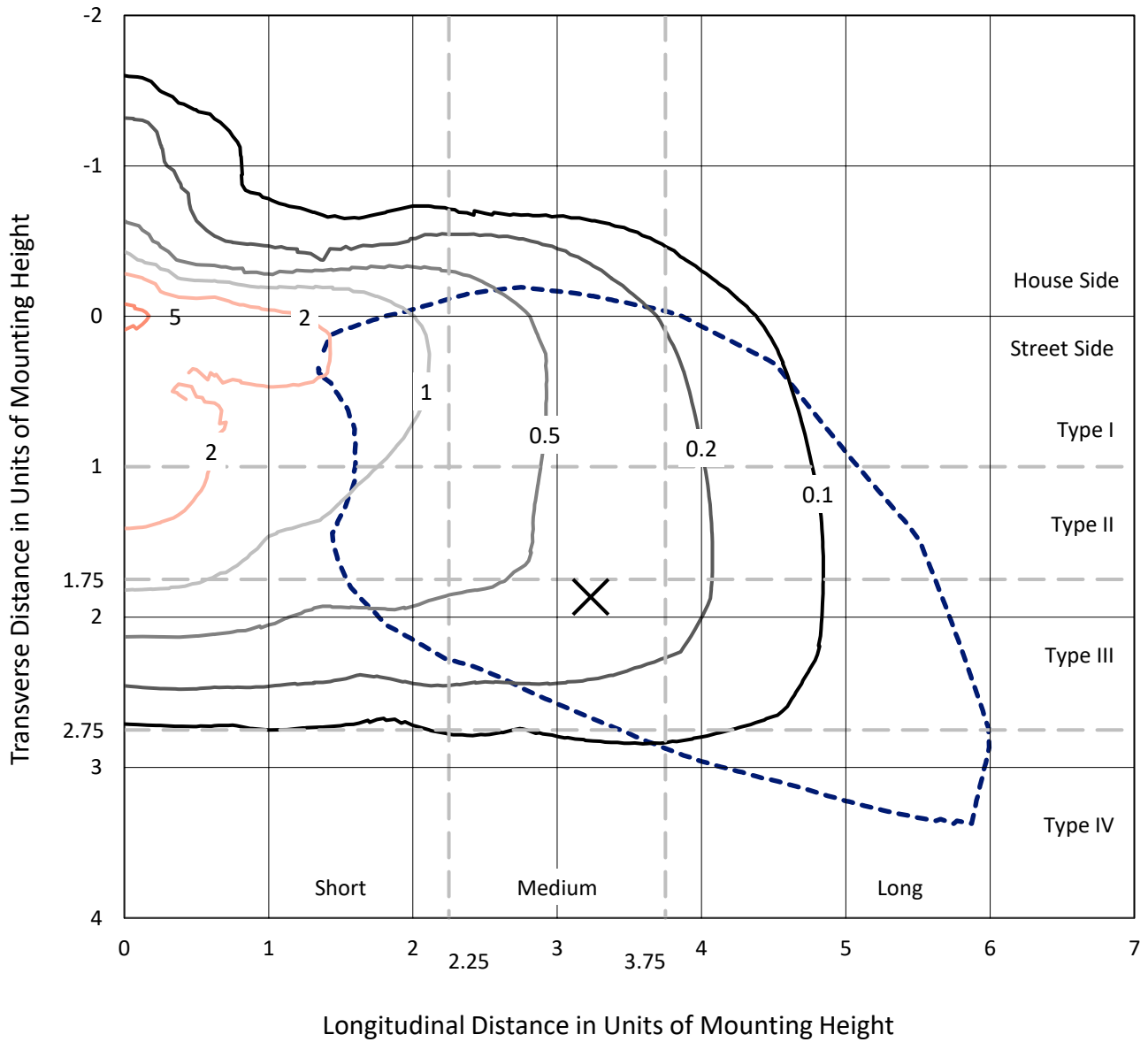
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

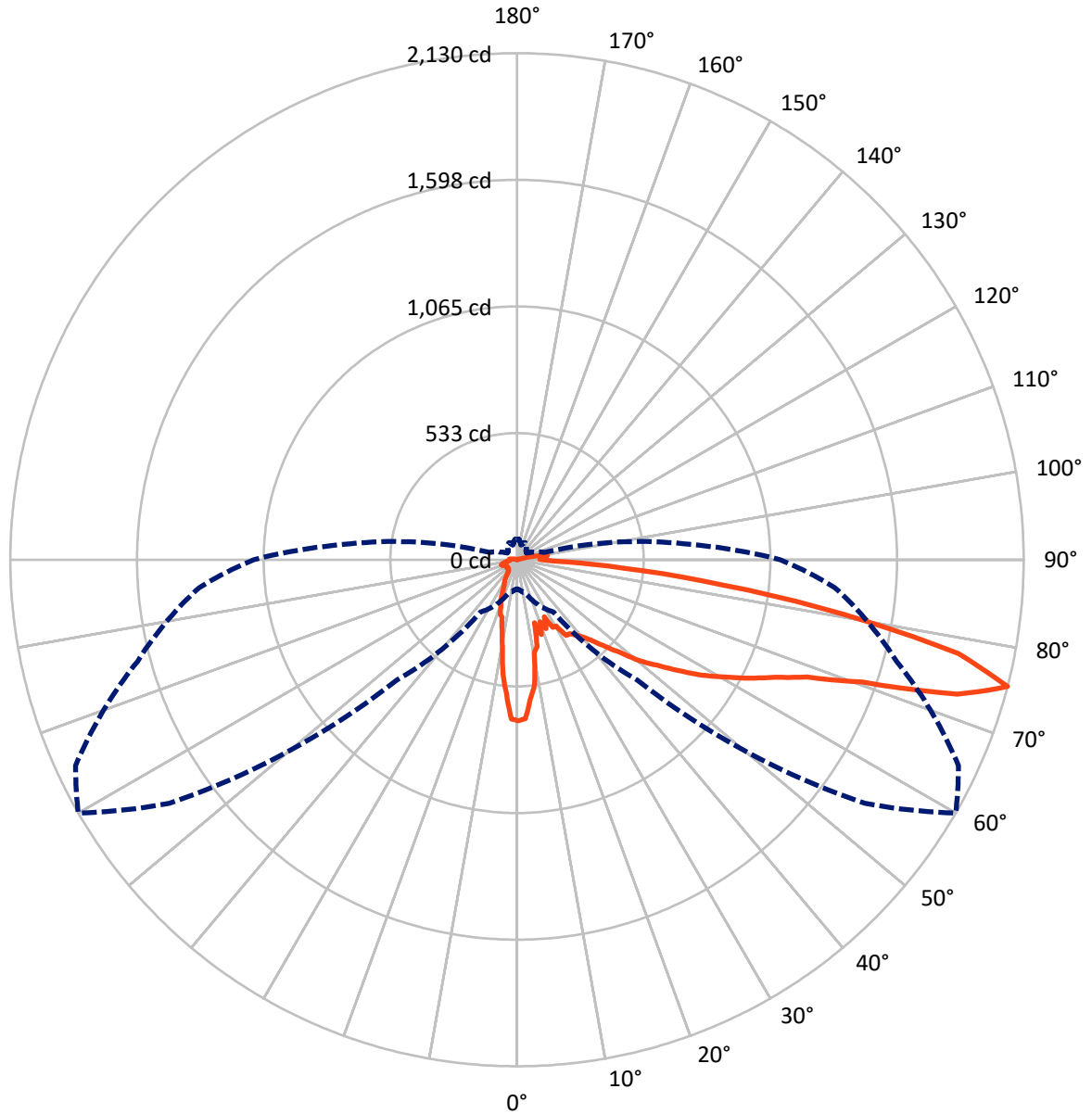
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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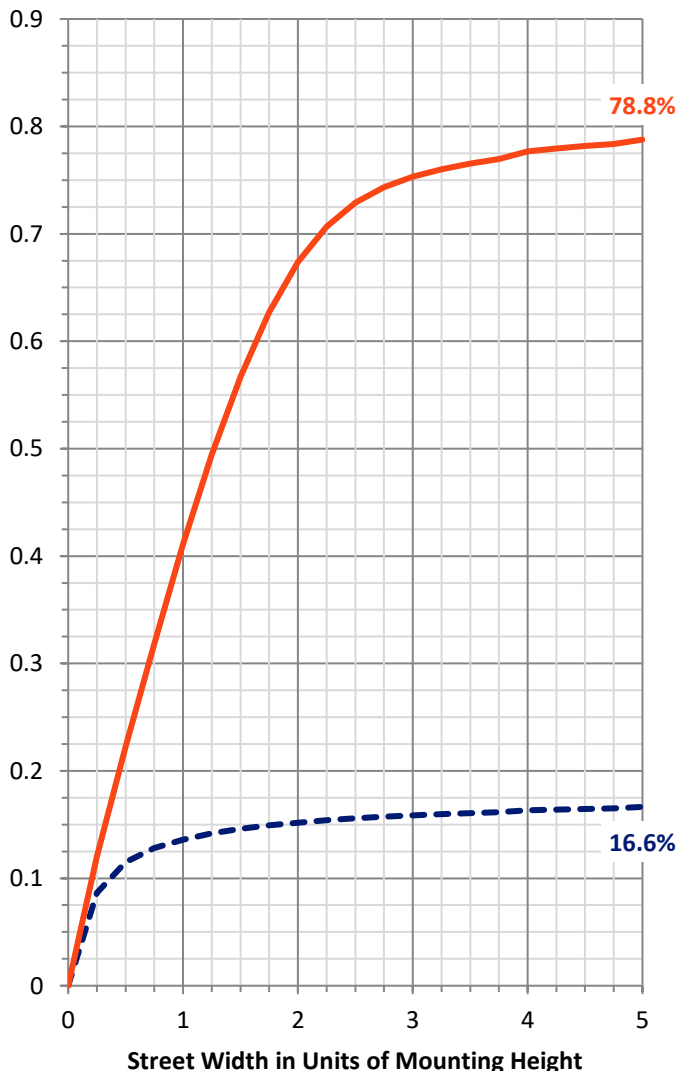
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	450.1	34.1	484.2
	% Fixture	17.6	1.3	18.9
<b>Street Side</b>	Lumens	2043.7	36.1	2079.7
	% Fixture	79.7	1.4	81.1
<b>Total</b>	Lumens	2493.7	70.2	2564.0
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	1.9
10°-20°	88.7	3.5
20°-30°	114.9	4.5
30°-40°	191.5	7.5
40°-50°	306.6	12.0
50°-60°	470.7	18.4
60°-70°	588.2	22.9
70°-80°	536.5	20.9
80°-90°	146.8	5.7
90°-100°	49.3	1.9
100°-110°	11.2	0.4
110°-120°	3.6	0.1
120°-130°	3.3	0.1
130°-140°	1.6	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2493.7	97.3
0°-180°	2564.0	100.0

**Coefficient of Utilization**



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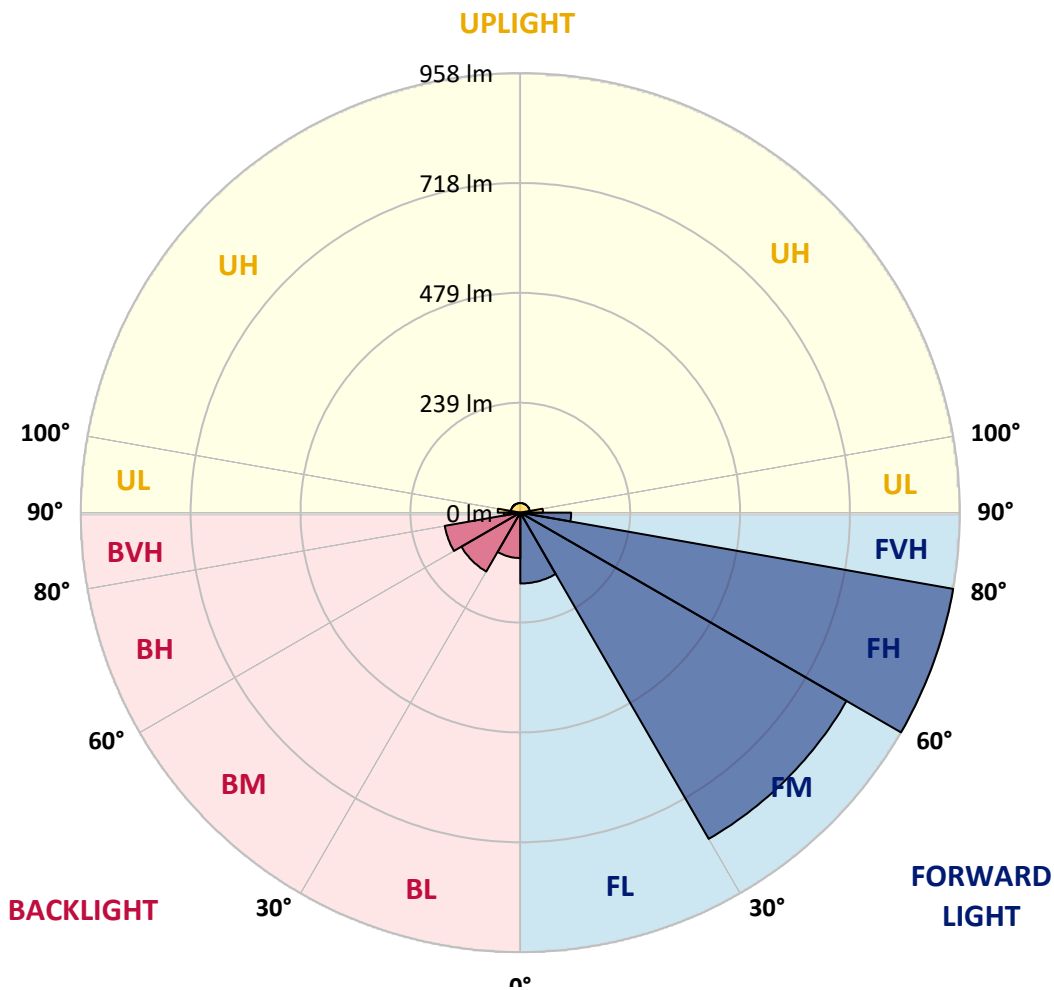
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.5	6.0			
FM (30°-60°)	820.8	32.0			
FH (60°-80°)	957.7	37.4			G1/1800
FVH (80°-90°)	110.8	4.3			G2/225
BL (0°-30°)	99.0	3.9	B0/110		
BM (30°-60°)	148.1	5.8	B0/220		
BH (60°-80°)	167.0	6.5	B1/500		G1/500
BVH (80°-90°)	36.0	1.4			G1/100
UL (90°-100°)	49.3	1.9		U2/50	
UH (100°-180°)	20.9	0.8		U2/50	

**BUG Rating: B1-U2-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1
2.5°	568.1	621.1	616.1	657.1	657.1	666.1	670.1	669.1	673.1	677.1	676.1
5°	523.1	524.1	528.1	537.1	540.1	543.1	553.1	588.1	647.1	661.1	661.1
7.5°	432.1	456.1	486.1	491.1	509.1	518.1	529.1	531.1	491.1	563.1	570.1
10°	438.1	439.1	437.1	448.1	435.1	430.1	395.1	397.1	401.1	428.1	482.1
12.5°	343.1	363.1	406.1	426.1	394.1	359.1	357.1	374.1	381.1	341.1	425.1
15°	392.1	394.1	395.1	396.1	294.0	341.1	298.1	274.0	307.1	387.1	440.1
17.5°	307.1	309.1	356.1	355.1	324.1	262.0	324.1	331.1	318.1	329.1	368.1
20°	360.1	361.1	358.1	278.0	284.0	321.1	279.0	278.0	294.0	379.1	428.1
22.5°	296.1	292.0	291.0	318.1	289.0	309.1	271.0	314.1	341.1	338.1	323.1
25°	371.1	370.1	355.1	277.0	296.1	262.0	317.1	266.0	295.1	409.1	428.1
27.5°	347.1	333.1	308.1	320.1	276.0	307.1	282.0	322.1	340.1	420.1	496.1
30°	449.1	439.1	410.1	323.1	305.1	283.0	302.1	323.1	387.1	541.1	567.1
32.5°	593.1	582.1	478.1	396.1	320.1	335.1	318.1	379.1	427.1	552.1	572.1
35°	637.1	622.1	571.1	480.1	367.1	356.1	339.1	382.1	433.1	581.1	581.1
37.5°	662.1	661.1	637.1	530.1	414.1	408.1	365.1	401.1	457.1	609.1	603.1
40°	666.1	671.1	682.1	574.1	470.1	457.1	399.1	427.1	491.1	643.1	631.1
42.5°	699.1	708.1	733.1	632.1	526.1	514.1	439.1	465.1	528.1	693.1	690.1
45°	752.1	761.1	783.1	696.1	575.1	567.1	504.1	520.1	588.1	781.1	753.1
47.5°	862.1	864.1	855.1	749.1	628.1	628.1	567.1	582.1	642.1	862.1	835.1
50°	972.2	960.2	920.2	812.1	681.1	696.1	632.1	667.1	703.1	944.2	907.2
52.5°	1033.2	1031.2	977.2	860.1	727.1	756.1	707.1	737.1	759.1	1027.2	975.2
55°	1035.2	1032.2	995.2	883.1	770.1	818.1	782.1	821.1	837.1	1092.2	1068.2
57.5°	1002.2	1010.2	991.2	896.2	791.1	878.1	873.1	915.2	923.2	1169.2	1132.2
60°	950.2	949.2	972.2	908.2	823.1	935.2	957.2	1000.2	1043.2	1228.2	1189.2
62.5°	820.1	829.1	894.2	908.2	858.1	1009.2	1051.2	1096.2	1149.2	1282.2	1240.2
65°	642.1	647.1	749.1	842.1	868.1	1108.2	1146.2	1191.2	1247.2	1337.2	1297.2
67.5°	388.1	421.1	509.1	693.1	817.1	1227.2	1297.2	1316.2	1348.2	1399.2	1381.2
70°	221.0	231.0	273.0	436.1	682.1	1265.2	1575.3	1541.3	1508.3	1520.3	1486.3
72.5°	168.0	174.0	193.0	258.0	408.1	1117.2	1809.3	1935.3	1793.3	1646.3	1483.3
75°	122.0	128.0	147.0	208.0	268.0	716.1	1785.3	2130.4	2048.3	1652.3	1341.2
77.5°	76.0	77.0	88.0	177.0	241.0	359.1	1397.2	1897.3	1933.3	1543.3	1112.2
80°	53.0	54.0	56.0	95.0	222.0	288.0	938.2	1393.2	1444.2	1074.2	567.1
82.5°	38.0	40.0	42.0	56.0	144.0	275.0	584.1	877.1	773.1	389.1	230.0
85°	20.0	22.0	27.0	34.0	58.0	299.1	350.1	446.1	353.1	158.0	137.0
87.5°	8.0	7.0	6.0	9.0	16.0	115.0	136.0	150.0	116.0	89.0	109.0
90°	7.0	6.0	4.0	5.0	7.0	41.0	86.0	96.0	80.0	87.0	110.0
92.5°	7.0	6.0	4.0	4.0	7.0	41.0	103.0	105.0	83.0	89.0	115.0
95°	7.0	7.0	4.0	4.0	7.0	37.0	122.0	120.0	86.0	94.0	122.0
97.5°	7.0	7.0	3.0	4.0	7.0	25.0	126.0	130.0	84.0	67.0	101.0
100°	7.0	7.0	3.0	3.0	6.0	16.0	88.0	95.0	62.0	22.0	25.0
102.5°	7.0	7.0	3.0	3.0	4.0	11.0	39.0	47.0	37.0	7.0	8.0
105°	7.0	8.0	2.0	2.0	3.0	6.0	17.0	19.0	15.0	5.0	9.0
107.5°	8.0	9.0	2.0	2.0	2.0	3.0	6.0	7.0	4.0	4.0	9.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	7.0	6.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	10.0
115°	4.0	3.0	1.0	2.0	2.0	2.0	1.0	2.0	3.0	4.0	9.0
117.5°	4.0	3.0	1.0	1.0	1.0	2.0	1.0	1.0	3.0	5.0	11.0
120°	3.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	7.0	15.0
122.5°	3.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	7.0	15.0
125°	4.0	4.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	6.0	14.0
127.5°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	11.0
130°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0	5.0	9.0
132.5°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	7.0
135°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
140°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	2.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	4.0	4.0	4.0	3.0	1.0	1.0	2.0	3.0	1.0	1.0	1.0
155°	3.0	3.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
157.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1
2.5°	673.1	675.1	673.1	671.1	669.1	663.1	622.1	572.1	568.1	572.1	570.1
5°	656.1	656.1	655.1	586.1	545.1	533.1	530.1	527.1	521.1	518.1	520.1
7.5°	566.1	563.1	528.1	466.1	505.1	491.1	483.1	479.1	419.1	397.1	399.1
10°	473.1	473.1	393.1	371.1	369.1	375.1	416.1	413.1	405.1	400.1	405.1
12.5°	408.1	425.1	312.1	334.1	271.0	300.1	328.1	348.1	287.0	270.0	273.0
15°	433.1	427.1	343.1	262.0	239.0	252.0	202.0	253.0	249.0	241.0	240.0
17.5°	378.1	347.1	286.0	246.0	236.0	178.0	173.0	179.0	164.0	150.0	157.0
20°	411.1	394.1	303.1	219.0	182.0	162.0	122.0	114.0	145.0	152.0	151.0
22.5°	343.1	286.0	248.0	218.0	147.0	116.0	92.0	101.0	108.0	115.0	118.0
25°	403.1	372.1	271.0	163.0	119.0	85.0	83.0	75.0	113.0	129.0	128.0
27.5°	465.1	421.1	261.0	153.0	86.0	73.0	67.0	76.0	79.0	89.0	95.0
30°	520.1	467.1	302.1	142.0	72.0	55.0	60.0	62.0	77.0	83.0	83.0
32.5°	518.1	454.1	270.0	121.0	59.0	50.0	50.0	59.0	68.0	82.0	83.0
35°	517.1	444.1	241.0	94.0	52.0	44.0	46.0	56.0	68.0	76.0	77.0
37.5°	529.1	441.1	212.0	76.0	47.0	42.0	44.0	53.0	73.0	81.0	81.0
40°	547.1	443.1	183.0	65.0	45.0	41.0	42.0	56.0	66.0	73.0	73.0
42.5°	602.1	472.1	158.0	60.0	45.0	40.0	40.0	52.0	67.0	79.0	80.0
45°	643.1	495.1	139.0	60.0	44.0	38.0	42.0	52.0	59.0	87.0	93.0
47.5°	709.1	537.1	121.0	60.0	44.0	37.0	39.0	51.0	62.0	100.0	104.0
50°	775.1	579.1	113.0	60.0	44.0	36.0	44.0	49.0	62.0	104.0	107.0
52.5°	845.1	631.1	108.0	60.0	44.0	38.0	48.0	59.0	67.0	93.0	92.0
55°	917.2	677.1	105.0	62.0	44.0	38.0	52.0	55.0	57.0	72.0	74.0
57.5°	984.2	733.1	111.0	62.0	43.0	40.0	49.0	54.0	50.0	63.0	64.0
60°	1037.2	784.1	126.0	60.0	42.0	40.0	50.0	59.0	56.0	69.0	71.0
62.5°	1098.2	838.1	161.0	61.0	42.0	41.0	56.0	64.0	57.0	68.0	72.0
65°	1178.2	920.2	200.0	67.0	43.0	43.0	57.0	69.0	57.0	67.0	67.0
67.5°	1268.2	996.2	200.0	78.0	46.0	46.0	57.0	73.0	61.0	67.0	67.0
70°	1334.2	1000.2	165.0	86.0	50.0	49.0	59.0	76.0	62.0	74.0	73.0
72.5°	1261.2	891.2	137.0	85.0	54.0	51.0	67.0	78.0	63.0	84.0	83.0
75°	1107.2	735.1	119.0	76.0	49.0	52.0	70.0	80.0	64.0	88.0	86.0
77.5°	873.1	536.1	101.0	64.0	43.0	50.0	72.0	82.0	66.0	93.0	92.0
80°	423.1	269.0	82.0	54.0	39.0	48.0	72.0	81.0	65.0	96.0	96.0
82.5°	191.0	134.0	56.0	37.0	39.0	49.0	74.0	82.0	65.0	94.0	93.0
85°	124.0	92.0	36.0	29.0	39.0	56.0	75.0	78.0	62.0	87.0	87.0
87.5°	93.0	64.0	19.0	18.0	43.0	61.0	75.0	72.0	60.0	82.0	80.0
90°	95.0	68.0	20.0	18.0	46.0	62.0	75.0	71.0	58.0	74.0	74.0
92.5°	103.0	75.0	23.0	20.0	47.0	56.0	71.0	64.0	54.0	64.0	63.0
95°	112.0	84.0	27.0	23.0	41.0	41.0	56.0	52.0	46.0	49.0	49.0
97.5°	82.0	60.0	24.0	25.0	31.0	26.0	37.0	35.0	24.0	22.0	21.0
100°	24.0	20.0	22.0	24.0	22.0	19.0	28.0	27.0	16.0	8.0	8.0
102.5°	9.0	10.0	20.0	22.0	17.0	14.0	20.0	22.0	13.0	2.0	3.0
105°	8.0	7.0	14.0	17.0	10.0	8.0	10.0	14.0	8.0	2.0	2.0
107.5°	9.0	7.0	7.0	9.0	4.0	4.0	4.0	5.0	3.0	2.0	2.0



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CATALOG NUMBER: SDL-PA1-20-750-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	7.0	4.0	4.0	3.0	3.0	2.0	2.0	3.0	5.0	5.0
115°	10.0	8.0	4.0	3.0	2.0	3.0	2.0	1.0	3.0	7.0	7.0
117.5°	12.0	9.0	3.0	3.0	2.0	2.0	2.0	1.0	3.0	9.0	10.0
120°	15.0	11.0	4.0	2.0	2.0	2.0	2.0	1.0	4.0	10.0	11.0
122.5°	15.0	12.0	4.0	2.0	2.0	1.0	1.0	2.0	4.0	10.0	11.0
125°	14.0	11.0	4.0	2.0	2.0	1.0	1.0	1.0	5.0	10.0	11.0
127.5°	11.0	10.0	4.0	2.0	1.0	1.0	1.0	2.0	4.0	9.0	9.0
130°	9.0	8.0	3.0	2.0	1.0	1.0	1.0	1.0	4.0	7.0	8.0
132.5°	7.0	6.0	3.0	2.0	1.0	1.0	1.0	1.0	4.0	7.0	7.0
135°	5.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	6.0
137.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	2.0	2.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	2.0	2.0
155°	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	1.0	1.0	2.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
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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110° | 9.0 9.0 2.0 2.0 2.0 3.0 2.0 2.0 3.0 4.0 10.0

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110° | 9.0 7.0 4.0 4.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0

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(END OF REPORT)