

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1462362

Luminaire Tested: PRV-P-50-8540-U-T2R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462362
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T2R-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

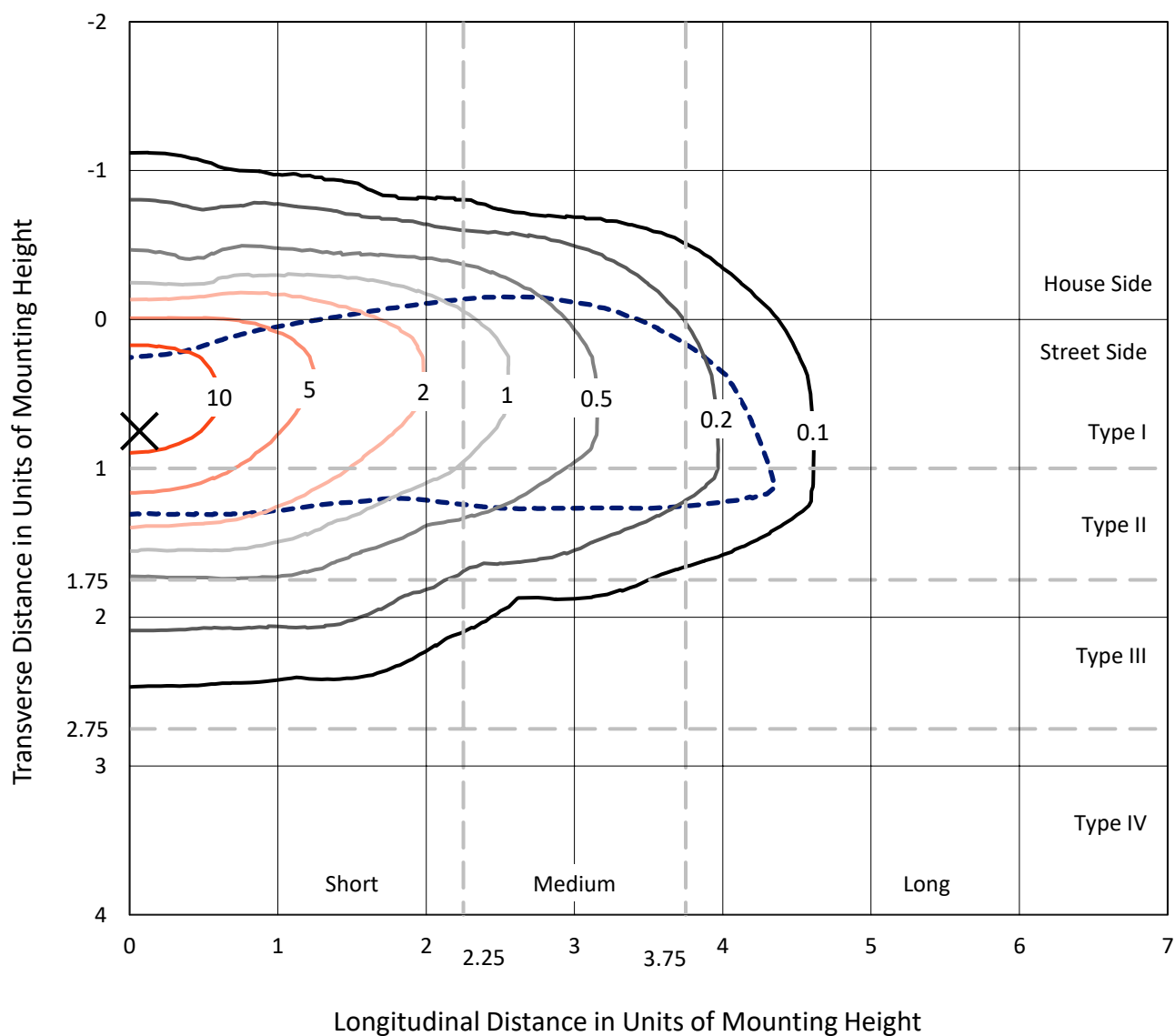
REPORT NUMBER: P1462362

CATALOG NUMBER: PRV-P-50-8540-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



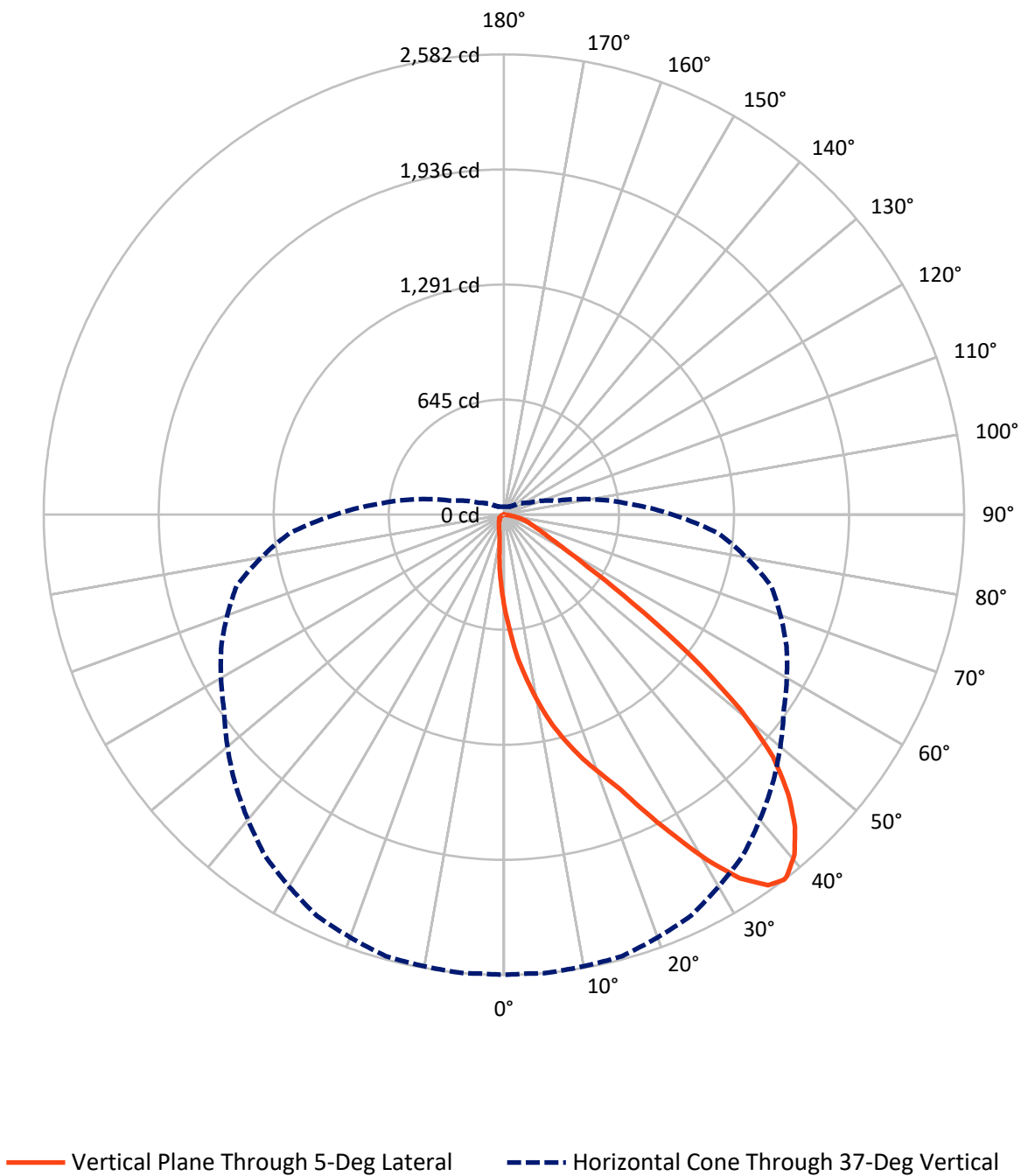
Based on 10 foot mounting height. Maximum calculated value = 14.6 fc

Type II - Short - N/A

REPORT NUMBER: P1462362

CATALOG NUMBER: PRV-P-50-8540-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1462362

CATALOG NUMBER: PRV-P-50-8540-U-T2R-HSS

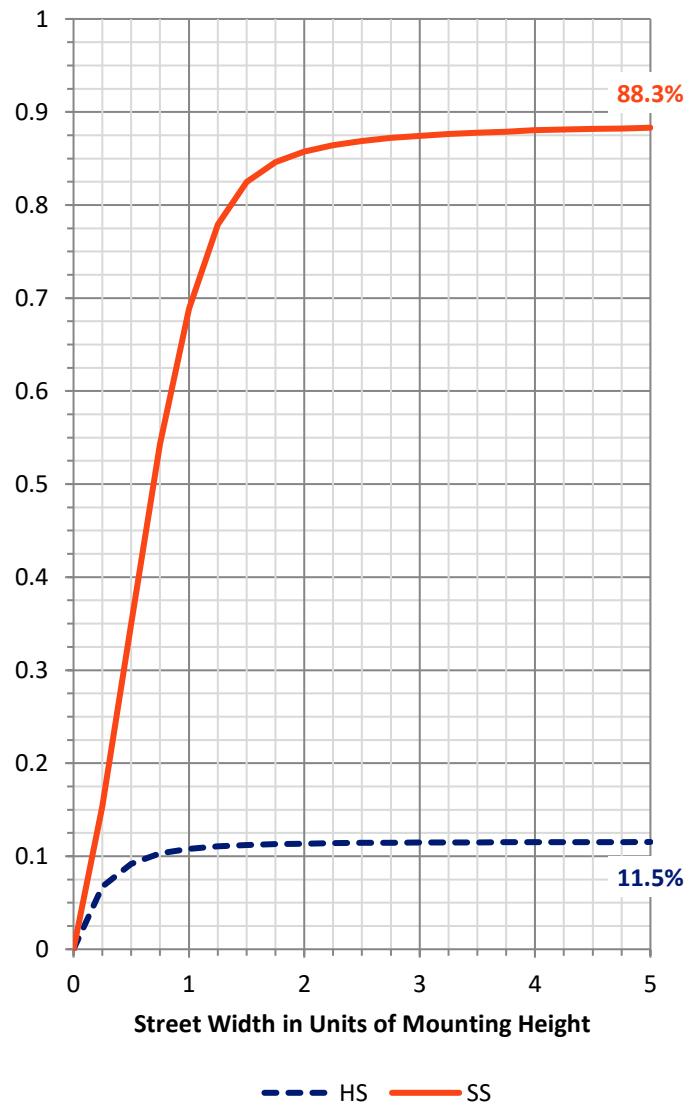
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	467.1	0.0	467.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	3554.9	0.0	3554.9
	% Fixture	88.4	0.0	88.4
Total	Lumens	4022.0	0.0	4022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.3
10°-20°	186.2	4.6
20°-30°	385.7	9.6
30°-40°	670.6	16.7
40°-50°	875.7	21.8
50°-60°	827.0	20.6
60°-70°	629.0	15.6
70°-80°	351.0	8.7
80°-90°	43.9	1.1
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°	4022.0	100.0
0°-180°	4022.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1462362

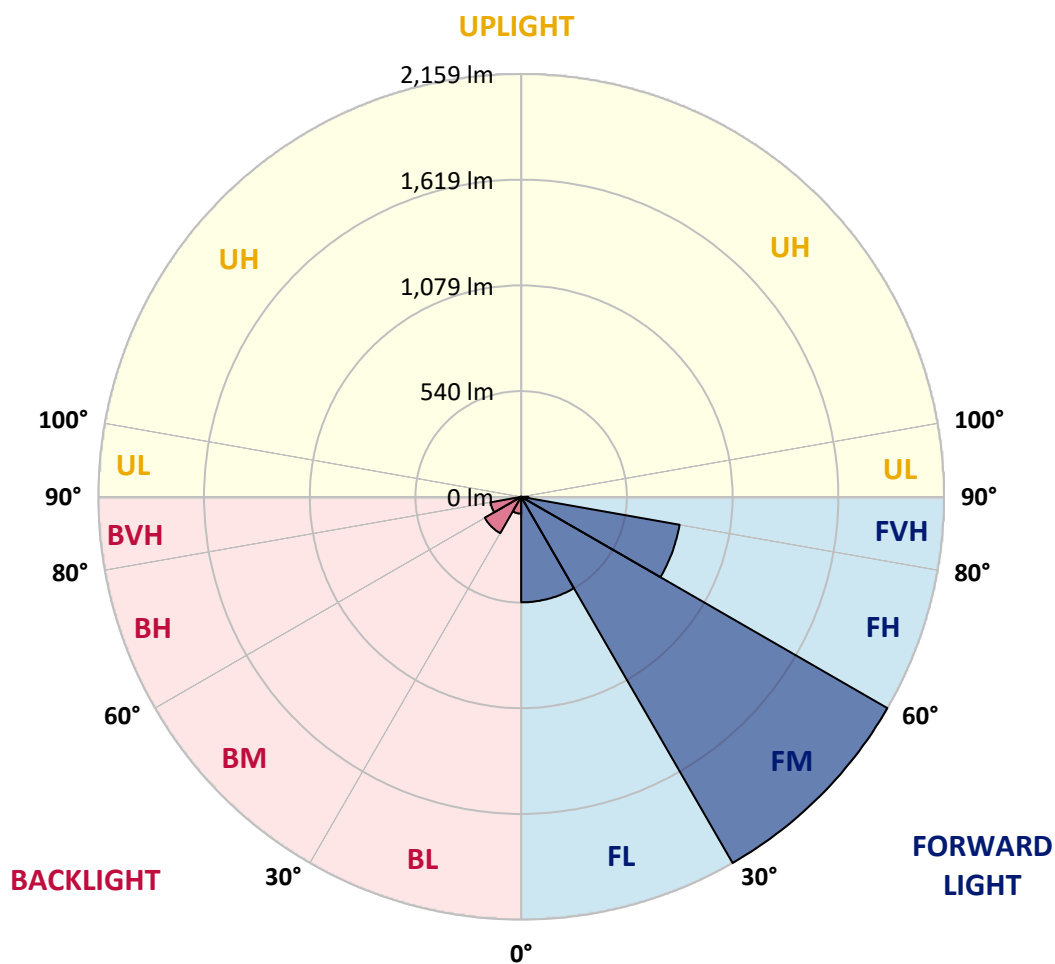
CATALOG NUMBER: PRV-P-50-8540-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	538.8	13.4			
FM	(30°-60°)	2158.5	53.7			
FH	(60°-80°)	821.1	20.4			G1/1800
FVH	(80°-90°)	36.5	0.9			G1/100
BL	(0°-30°)	86.0	2.1	B0/110		
BM	(30°-60°)	214.8	5.3	B0/220		
BH	(60°-80°)	158.9	4.0	B1/500		G1/500
BVH	(80°-90°)	7.5	0.2			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 Short



REPORT NUMBER: P1462362

CATALOG NUMBER: PRV-P-50-8540-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0
2.5°	661.9	650.5	652.2	657.5	651.4	637.3	618.0	603.0	581.9	559.9	537.1
5°	796.4	799.9	804.3	800.8	782.3	764.8	726.1	692.7	645.2	597.7	552.9
7.5°	933.5	930.9	936.2	932.7	909.8	878.2	828.9	775.3	711.1	640.8	571.4
10°	1075.1	1069.8	1075.1	1062.8	1040.8	996.8	937.1	872.0	789.4	688.3	597.7
12.5°	1203.4	1205.2	1208.7	1198.1	1162.1	1113.7	1042.5	962.6	862.3	748.9	622.4
15°	1323.8	1327.4	1326.5	1319.4	1286.0	1230.7	1151.5	1056.6	942.3	809.6	656.6
17.5°	1439.9	1441.6	1442.5	1432.0	1401.2	1338.8	1256.1	1147.1	1023.2	876.4	697.1
20°	1555.9	1548.9	1551.5	1539.2	1500.5	1442.5	1356.4	1250.0	1108.5	949.4	741.9
22.5°	1666.7	1668.4	1672.8	1653.5	1610.4	1542.7	1450.4	1339.7	1198.1	1029.4	794.7
25°	1840.7	1838.1	1849.5	1816.1	1733.5	1644.7	1551.5	1442.5	1293.9	1112.9	856.2
27.5°	2043.8	2041.1	2040.3	2006.9	1902.2	1773.9	1649.1	1528.7	1390.6	1203.4	921.2
30°	2259.1	2257.4	2246.8	2202.0	2073.7	1917.2	1759.0	1620.1	1483.8	1286.0	988.9
32.5°	2434.9	2428.8	2431.4	2387.5	2253.0	2070.1	1885.5	1718.5	1572.6	1381.0	1061.9
35°	2556.3	2550.1	2553.6	2516.7	2402.4	2235.4	2018.3	1817.0	1665.8	1480.3	1139.2
37°	2580.9	2577.3	2581.7	2563.3	2482.4	2335.6	2132.6	1916.3	1749.3	1553.3	1207.8
37.5°	2576.5	2573.0	2577.3	2564.2	2491.2	2343.5	2145.7	1934.8	1769.5	1577.0	1222.7
40°	2504.4	2501.8	2509.7	2518.5	2487.7	2411.2	2251.2	2044.6	1877.6	1684.2	1309.8
42.5°	2384.8	2389.2	2393.6	2413.8	2407.7	2385.7	2302.2	2139.6	1974.3	1789.7	1385.4
45°	2229.2	2226.6	2238.0	2265.3	2275.8	2287.3	2289.9	2202.0	2071.0	1896.1	1461.8
47.5°	2034.1	2037.6	2032.3	2077.2	2119.4	2164.2	2213.4	2214.3	2143.1	2013.0	1551.5
50°	1722.0	1706.2	1721.2	1815.2	1937.4	2022.7	2089.5	2172.1	2197.6	2132.6	1644.7
52.5°	1301.9	1302.7	1305.4	1452.2	1651.7	1848.6	1963.8	2084.2	2209.9	2237.2	1749.3
55°	905.4	875.5	872.0	1050.5	1323.0	1614.8	1818.7	1965.5	2174.7	2334.7	1859.2
57.5°	559.1	545.0	558.2	686.5	999.5	1307.1	1615.7	1857.4	2108.8	2407.7	1977.0
60°	378.9	382.4	389.4	464.1	698.8	1003.9	1352.0	1744.0	2036.7	2454.3	2086.8
62.5°	289.2	290.1	291.8	328.8	486.1	732.2	1032.9	1533.0	1986.6	2431.4	2150.1
65°	233.8	235.6	236.5	254.9	339.3	543.2	742.8	1228.9	1920.7	2325.1	2167.7
67.5°	194.3	192.5	194.3	211.0	260.2	409.6	535.3	891.3	1774.8	2229.2	2132.6
70°	160.9	160.9	160.9	178.4	212.7	317.3	388.5	603.0	1504.0	2158.0	2017.4
72.5°	138.0	138.0	138.9	151.2	179.3	250.5	293.6	399.1	1170.0	2023.6	1779.2
75°	114.3	114.3	115.2	127.5	151.2	196.0	227.7	279.5	815.8	1741.4	1439.0
77.5°	81.8	81.8	80.9	97.6	120.4	144.2	167.0	196.9	503.7	1293.1	1080.3
80°	46.6	49.2	50.1	57.1	84.4	102.0	115.2	133.6	264.6	744.5	624.1
82.5°	22.9	27.3	27.3	36.0	51.0	61.5	69.4	80.9	117.8	301.5	273.4
85°	8.8	9.7	11.4	13.2	18.5	24.6	29.0	29.9	36.9	75.6	73.8
87.5°	0.9	0.9	0.9	1.8	2.6	4.4	4.4	4.4	6.2	5.3	3.5
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: P1462362

CATALOG NUMBER: PRV-P-50-8540-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0
2.5°	526.5	515.1	494.0	472.9	454.5	437.8	426.3	411.4	405.2	400.0	397.3
5°	529.2	508.1	466.8	426.3	392.1	362.2	334.0	320.9	301.5	297.1	291.8
7.5°	536.2	503.7	441.3	383.3	331.4	286.6	249.6	225.0	205.7	196.0	197.8
10°	548.5	504.6	417.5	338.4	273.4	218.9	177.6	157.3	145.0	139.8	140.6
12.5°	560.8	504.6	397.3	300.6	220.6	164.4	138.0	125.7	120.4	116.9	116.0
15°	580.2	509.0	378.0	259.3	174.1	133.6	116.0	108.1	103.7	101.1	102.0
17.5°	602.1	514.2	359.5	221.5	142.4	115.2	103.7	96.7	92.3	90.5	89.7
20°	626.8	525.7	340.2	188.1	122.2	102.8	93.2	87.0	81.8	80.9	80.9
22.5°	660.2	539.7	324.4	164.4	109.0	93.2	84.4	79.1	74.7	73.0	73.0
25°	700.6	559.1	313.8	146.8	100.2	85.3	76.5	71.2	67.7	65.9	65.9
27.5°	746.3	584.6	305.9	138.9	94.9	79.1	71.2	65.9	62.4	60.7	60.7
30°	793.8	613.6	300.6	138.0	93.2	73.8	65.9	60.7	57.1	55.4	55.4
32.5°	845.6	642.6	299.8	142.4	95.8	70.3	61.5	56.3	52.7	50.1	51.0
35°	896.6	674.2	299.8	149.4	101.1	69.4	57.1	51.9	48.3	46.6	46.6
37°	945.0	700.6	298.0	155.6	106.4	69.4	54.5	49.2	45.7	44.0	44.0
37.5°	954.6	706.7	297.1	156.5	107.2	70.3	53.6	48.3	44.8	44.0	43.1
40°	1017.9	744.5	298.0	160.9	111.6	70.3	50.1	44.8	42.2	40.4	40.4
42.5°	1076.8	778.8	300.6	163.5	113.4	69.4	46.6	42.2	39.6	37.8	37.8
45°	1121.7	799.0	298.9	163.5	112.5	66.8	44.0	39.6	37.8	36.0	36.0
47.5°	1176.2	827.2	297.1	163.5	108.1	63.3	41.3	37.8	36.0	34.3	34.3
50°	1231.5	860.6	301.5	162.6	100.2	58.0	38.7	36.0	34.3	33.4	32.5
52.5°	1296.6	895.7	306.8	160.9	92.3	51.9	36.9	34.3	32.5	30.8	30.8
55°	1369.5	932.7	315.6	156.5	81.8	45.7	35.2	33.4	29.9	28.1	28.1
57.5°	1446.9	973.1	323.5	146.8	71.2	40.4	34.3	30.8	26.4	22.9	22.9
60°	1526.0	1024.1	328.8	128.3	61.5	36.9	32.5	28.1	22.0	19.3	19.3
62.5°	1584.9	1077.7	329.6	94.9	51.0	34.3	30.8	24.6	19.3	17.6	16.7
65°	1628.0	1123.4	317.3	65.0	41.3	31.6	29.0	22.0	16.7	14.1	14.1
67.5°	1631.5	1149.8	281.3	44.8	34.3	29.9	26.4	19.3	10.5	8.8	7.9
70°	1578.8	1120.8	215.4	36.9	29.9	26.4	21.1	14.1	8.8	7.0	7.0
72.5°	1417.0	1005.6	138.9	32.5	26.4	22.9	18.5	12.3	7.9	5.3	5.3
75°	1158.6	814.9	91.4	29.0	22.0	18.5	14.9	9.7	6.2	3.5	3.5
77.5°	857.9	537.1	58.9	24.6	17.6	14.9	11.4	7.0	4.4	2.6	1.8
80°	504.6	297.1	37.8	19.3	14.1	11.4	7.9	4.4	2.6	0.9	0.9
82.5°	222.4	120.4	23.7	13.2	7.9	7.0	3.5	1.8	0.9	0.0	0.0
85°	54.5	27.3	8.8	3.5	2.6	1.8	0.9	0.9	0.0	0.0	0.0
87.5°	3.5	3.5	2.6	2.6	1.8	1.8	0.9	0.9	0.0	0.0	0.0
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)