

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: NEO-RAY

Report Number: P242833

Luminaire Tested: S125DRP-S1090D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DRP-S1090D940-X4F0-XX-UDD-A-W
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

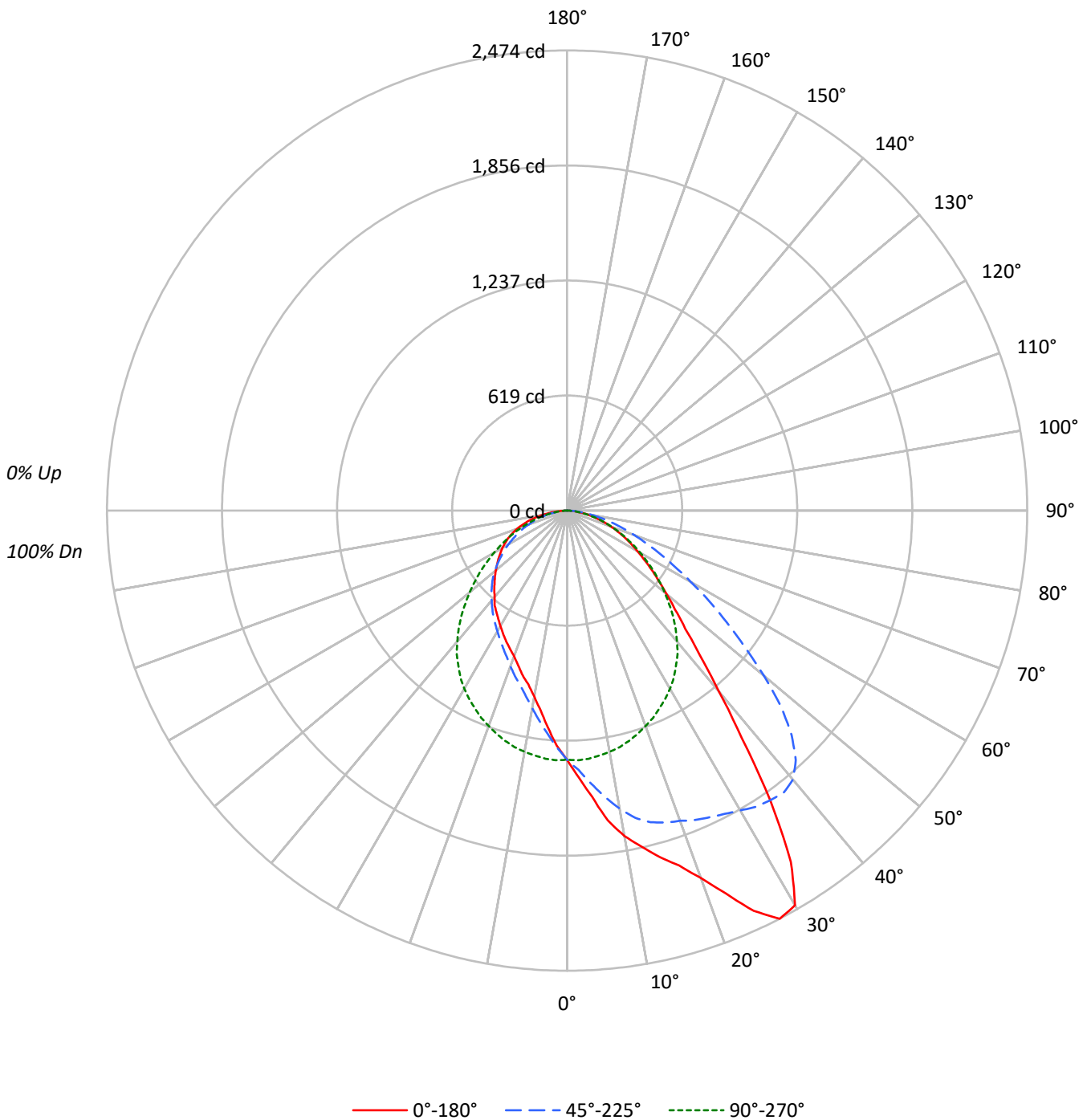
Lumens per Lamp: N/A
Luminaire Lumens: 3780.1 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.53
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 34.8
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: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87					85				
2	100	92	86	80	98	90	84	79	87	82	78	84	80	76	81	77	74					72				
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64					61				
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55					53				
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48					46				
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43					41				
7	67	53	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38					36				
8	62	49	41	35	61	48	40	35	47	40	34	46	39	34	44	39	34					32				
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31					29				
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28					26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9520	9520	9520	9520	9520
5°	11025	10502	9552	8591	8364
10°	12827	11743	9503	7784	7328
15°	14199	12763	9434	7154	6761
20°	15894	13425	9323	6738	6304
25°	18619	14263	9198	6389	6082
30°	20110	15276	9075	6154	5888
35°	16536	16501	8845	5994	5762
40°	11752	17523	8525	5861	5623
45°	9029	17150	8092	5743	5543
50°	7707	15258	7556	5602	5532
55°	6862	12956	7031	5396	5580
60°	6190	10942	6458	5204	5721
65°	5718	9322	5881	4943	5871
70°	5199	7928	5280	4607	5954
75°	4591	6777	4652	4245	5901
80°	3864	5562	3794	3606	5399
85°	3058	4037	2732	2968	4355

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 17150 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	3.4
10°-20°	384.0	10.2
20°-30°	623.8	16.5
30°-40°	762.3	20.2
40°-50°	691.6	18.3
50°-60°	550.8	14.6
60°-70°	383.7	10.1
70°-80°	204.4	5.4
80°-90°	50.7	1.3
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°-30°	1136.7	30.1
0°-40°	1899.0	50.2
0°-60°	3141.4	83.1
0°-90°	3780.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3780.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1340	1340	1340	1340	1340	
5°	1545	1472	1339	1204	1172	155
15°	1930	1735	1282	972	919	552
25°	2374	1819	1173	815	776	1088
35°	1906	1902	1019	691	664	1169
45°	898	1706	805	571	552	715
55°	554	1046	567	436	450	498
65°	340	554	350	294	349	337
75°	167	247	169	155	215	180
85°	38	50	34	36	53	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1436.2	1433.9	1431.6	1427.1	1430.5	1420.8	1416.3	1408.3	1398.6	1395.2	1391.2
5°	1545.3	1548.2	1551.0	1539.1	1540.2	1532.2	1514.0	1499.3	1487.3	1472.0	1461.2
7.5°	1680.6	1672.1	1672.7	1665.3	1652.2	1641.4	1623.8	1599.3	1577.2	1552.1	1530.5
10°	1777.3	1777.9	1772.7	1763.6	1749.4	1739.2	1714.2	1690.3	1661.3	1627.2	1602.7
12.5°	1850.1	1852.9	1846.1	1833.0	1827.9	1801.7	1783.5	1754.0	1718.2	1692.6	1652.2
15°	1929.7	1923.4	1918.9	1903.5	1891.6	1867.7	1836.4	1806.8	1769.3	1734.6	1700.0
17.5°	2000.2	2005.3	1997.9	1986.5	1951.3	1923.4	1884.7	1847.2	1802.3	1759.1	1718.7
20°	2101.4	2105.9	2092.8	2068.4	2024.0	1996.2	1941.0	1888.7	1834.7	1775.0	1729.5
22.5°	2227.6	2221.9	2203.1	2162.8	2125.8	2068.4	2007.5	1941.0	1870.0	1800.6	1736.3
25°	2374.3	2350.4	2339.6	2293.5	2242.9	2167.3	2085.4	1992.2	1908.0	1818.8	1741.5
27.5°	2474.3	2464.7	2449.3	2411.8	2353.8	2267.9	2171.3	2059.9	1946.7	1837.5	1740.3
30°	2450.4	2451.6	2452.7	2442.5	2408.4	2347.5	2251.5	2129.2	1988.2	1861.4	1744.3
32.5°	2238.9	2264.5	2289.0	2320.8	2341.3	2341.9	2290.7	2183.2	2037.1	1888.7	1742.0
35°	1905.8	1912.0	1976.3	2040.0	2126.4	2193.5	2238.4	2189.5	2067.2	1901.8	1740.3
37.5°	1540.8	1572.0	1620.4	1692.0	1821.6	1927.4	2066.1	2113.9	2056.4	1912.6	1739.8
40°	1266.7	1295.2	1324.2	1397.5	1502.7	1638.0	1801.2	1940.5	1972.9	1888.7	1722.7
42.5°	1055.2	1076.3	1109.2	1159.8	1243.4	1359.4	1513.5	1706.2	1838.1	1819.4	1686.9
45°	898.3	912.5	937.5	981.3	1045.0	1138.8	1276.4	1475.4	1648.8	1706.2	1626.0
47.5°	786.9	787.4	807.9	839.2	887.5	973.9	1076.8	1240.6	1427.6	1560.1	1541.3
50°	697.0	694.2	709.5	735.7	772.1	825.0	922.2	1046.7	1224.7	1379.9	1423.1
52.5°	619.7	620.9	628.8	646.4	675.4	718.6	785.2	894.3	1039.9	1200.2	1291.2
55°	553.8	551.5	562.3	575.4	597.5	627.1	679.4	765.3	888.6	1045.6	1151.3
57.5°	490.1	496.3	500.9	510.0	529.3	549.8	596.4	662.4	764.1	903.4	1015.4
60°	435.5	441.8	445.2	454.3	469.1	486.1	520.2	571.4	653.8	769.8	880.7
62.5°	386.6	391.2	391.7	399.7	411.1	427.5	452.6	493.5	554.3	652.1	760.1
65°	340.0	340.0	342.3	350.8	356.5	371.3	391.7	423.0	475.3	554.3	647.0
67.5°	294.5	297.4	296.8	300.8	305.9	318.4	333.7	359.9	401.4	461.1	537.8
70°	250.2	252.4	251.9	254.7	260.4	267.8	279.7	304.2	332.0	381.5	445.2
72.5°	210.4	210.9	209.2	213.2	216.0	222.3	235.9	246.2	271.8	311.6	361.0
75°	167.2	168.3	169.4	171.7	175.1	178.5	185.3	198.4	215.5	246.8	280.3
77.5°	133.0	130.2	133.6	133.0	134.7	137.6	143.8	151.2	166.0	187.1	214.9
80°	94.4	94.9	94.9	95.5	98.4	100.1	105.2	110.3	121.1	135.9	154.1
82.5°	62.5	64.2	63.1	64.2	66.5	67.7	69.9	73.9	79.0	89.8	101.8
85°	37.5	34.7	35.8	37.0	37.0	37.5	39.8	41.5	44.9	49.5	54.6
87.5°	13.6	14.8	15.4	15.4	15.9	15.9	18.2	18.2	19.9	21.6	23.9
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1387.8	1383.8	1379.3	1371.3	1361.7	1356.6	1348.6	1343.5	1333.2	1324.7	1315.6
5°	1448.1	1433.3	1419.7	1402.0	1382.7	1370.2	1355.4	1338.9	1321.9	1304.3	1284.9
7.5°	1508.4	1483.9	1457.2	1429.3	1402.0	1376.5	1352.6	1328.1	1306.0	1278.1	1254.8
10°	1569.2	1536.2	1501.0	1459.5	1419.1	1383.8	1348.0	1316.8	1284.9	1250.8	1220.7
12.5°	1630.0	1583.4	1530.0	1483.3	1432.7	1388.4	1344.6	1302.5	1260.5	1221.8	1185.4
15°	1652.2	1613.5	1567.5	1502.7	1448.1	1389.5	1333.8	1282.1	1233.8	1191.7	1147.3
17.5°	1673.8	1624.3	1575.4	1512.9	1441.8	1378.7	1315.6	1259.3	1205.9	1153.0	1112.6
20°	1678.9	1627.8	1576.0	1515.2	1441.8	1366.8	1303.7	1232.6	1174.1	1118.9	1066.6
22.5°	1677.2	1617.5	1560.1	1497.0	1425.9	1358.3	1278.7	1205.9	1141.1	1087.1	1031.9
25°	1664.7	1602.7	1532.2	1469.1	1398.6	1325.3	1248.0	1172.9	1108.1	1046.1	992.1
27.5°	1657.3	1578.9	1501.5	1428.8	1361.1	1293.4	1218.4	1141.1	1070.0	1006.9	956.9
30°	1640.8	1552.7	1462.9	1386.1	1316.2	1250.8	1180.9	1105.8	1030.8	969.4	914.8
32.5°	1626.0	1519.7	1423.6	1338.4	1263.3	1200.2	1137.1	1066.6	993.3	930.7	876.1
35°	1606.2	1487.3	1378.7	1284.4	1205.3	1139.9	1085.9	1019.4	951.8	891.5	839.2
37.5°	1582.8	1445.3	1330.4	1232.0	1146.2	1078.0	1026.8	975.1	907.4	848.3	801.7
40°	1554.4	1399.8	1276.4	1175.2	1085.4	1013.7	967.1	918.8	864.8	810.8	760.7
42.5°	1518.6	1358.8	1221.8	1110.9	1022.3	952.9	903.4	864.2	818.1	768.7	723.2
45°	1473.1	1307.7	1162.1	1045.0	955.2	886.4	835.8	805.1	769.2	721.5	682.3
47.5°	1412.8	1249.7	1099.6	978.5	885.8	822.1	773.8	743.7	717.5	680.0	643.0
50°	1327.0	1183.1	1030.8	910.8	818.1	753.9	710.1	683.4	661.8	634.5	604.4
52.5°	1230.9	1099.6	963.1	844.9	753.3	690.2	647.6	624.8	607.8	590.2	560.6
55°	1128.0	1014.3	884.7	772.1	687.4	625.4	587.9	567.4	552.6	537.8	519.7
57.5°	1017.1	925.0	806.2	701.0	622.6	564.6	529.3	508.3	496.3	488.4	477.0
60°	898.9	822.7	723.8	630.0	553.8	503.7	469.6	454.3	444.6	438.4	430.4
62.5°	789.1	730.0	640.2	556.6	492.4	445.7	416.2	401.4	392.3	390.0	383.8
65°	681.7	633.4	557.7	486.7	429.8	389.5	363.9	349.7	344.0	340.6	341.1
67.5°	573.7	542.4	479.3	416.7	370.1	334.3	313.3	302.5	299.6	294.5	294.5
70°	476.4	454.3	403.1	350.2	309.9	283.7	265.5	254.1	251.3	249.0	248.5
72.5°	390.6	371.8	329.2	289.4	254.1	232.0	217.8	212.1	207.0	205.8	205.8
75°	306.4	295.6	260.4	226.9	201.8	185.9	175.7	169.4	166.0	165.4	166.0
77.5°	231.4	221.2	196.7	171.7	155.2	142.7	133.0	131.3	126.8	127.4	126.2
80°	163.7	157.5	143.3	124.5	111.4	101.2	96.7	92.7	91.5	89.8	91.5
82.5°	107.5	100.6	92.1	81.9	71.6	66.5	62.0	61.4	60.8	60.3	60.3
85°	58.6	59.1	53.4	44.3	39.8	36.4	33.5	33.5	33.0	32.4	33.0
87.5°	25.0	23.9	21.6	19.9	17.1	15.4	14.8	15.4	13.6	13.1	13.6
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1310.5	1304.3	1299.1	1287.8	1281.5	1273.0	1266.2	1273.5	1265.6	1269.0	1263.9
5°	1275.3	1259.3	1248.0	1231.5	1217.3	1204.2	1194.5	1192.8	1188.3	1186.0	1179.2
7.5°	1233.2	1215.0	1196.2	1175.8	1158.7	1140.5	1129.7	1119.5	1113.2	1105.3	1099.0
10°	1196.8	1170.1	1147.3	1121.2	1098.4	1078.5	1062.6	1054.7	1047.3	1036.5	1032.5
12.5°	1151.9	1124.0	1095.0	1066.6	1045.0	1022.3	1009.2	996.1	991.5	979.0	978.5
15°	1117.8	1076.3	1049.0	1020.5	990.4	972.2	960.8	947.8	942.1	933.6	927.3
17.5°	1075.7	1038.2	1004.1	975.1	947.8	933.0	918.2	909.1	899.4	893.2	883.0
20°	1029.1	993.8	959.7	928.4	908.5	890.9	879.5	871.0	860.8	857.9	847.7
22.5°	989.8	950.0	917.6	892.6	870.4	850.0	837.5	832.4	826.1	815.9	815.9
25°	946.6	906.3	878.4	852.3	832.9	814.7	806.2	798.8	792.0	785.7	783.5
27.5°	910.2	874.4	840.3	816.4	799.9	782.9	775.5	765.8	760.7	755.6	748.8
30°	871.6	834.6	805.6	782.9	764.7	749.9	742.0	735.7	731.2	726.6	723.2
32.5°	831.8	798.2	770.4	748.2	730.0	719.8	713.0	709.0	703.9	698.2	693.6
35°	797.7	760.1	732.9	713.5	699.3	690.8	682.8	678.8	673.2	673.2	668.6
37.5°	757.3	724.3	699.9	682.3	669.8	661.8	652.7	650.4	646.4	644.2	642.5
40°	722.1	691.9	669.2	651.6	637.9	631.7	624.8	620.3	618.0	615.2	614.0
42.5°	685.7	657.2	635.6	619.7	608.3	603.2	597.0	594.1	589.0	585.0	584.5
45°	648.7	620.9	601.0	587.9	577.6	571.4	567.4	560.6	558.3	553.8	553.2
47.5°	614.6	587.3	567.4	556.6	547.5	543.0	536.7	529.3	526.5	523.6	523.1
50°	575.4	550.9	532.7	522.5	514.0	506.6	500.3	495.8	494.1	494.1	495.2
52.5°	535.6	515.7	500.9	487.8	479.9	471.9	466.2	463.9	461.1	464.5	466.8
55°	496.9	475.9	464.5	452.6	444.6	435.5	432.7	431.5	429.8	434.4	436.6
57.5°	455.4	441.2	427.5	415.0	408.2	402.5	398.0	397.4	400.8	402.0	408.8
60°	416.2	399.1	387.2	378.1	369.6	366.1	365.0	363.9	366.1	372.4	382.1
62.5°	373.0	359.9	346.8	340.6	334.9	328.6	328.6	329.8	334.9	342.3	351.9
65°	330.9	319.0	310.4	302.5	297.4	293.9	295.1	297.4	302.5	312.1	322.9
67.5°	287.7	279.7	271.8	264.4	259.3	259.8	260.4	263.2	269.5	280.9	291.1
70°	246.2	237.1	230.8	228.0	224.0	221.7	225.1	230.8	235.9	246.2	254.7
72.5°	204.7	197.3	192.7	191.0	189.9	188.2	188.8	195.0	202.4	212.6	222.9
75°	163.7	160.9	157.5	155.2	153.5	154.6	155.8	161.5	167.2	178.0	189.3
77.5°	126.8	123.4	121.1	120.5	119.4	120.0	122.8	127.4	133.0	141.0	150.1
80°	90.4	89.3	88.1	87.6	87.6	88.1	92.7	95.5	100.6	108.0	114.8
82.5°	59.7	59.1	59.1	59.1	59.7	59.7	62.0	66.0	69.9	75.0	80.7
85°	34.7	33.5	35.3	35.8	34.7	36.4	37.5	39.8	41.5	44.3	47.2
87.5°	14.2	15.4	14.8	15.4	15.4	16.5	15.9	18.2	19.3	20.5	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P242833

CATALOG NUMBER: S125DRP-S1090D940-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1339.5	1339.5	1339.5	1339.5
2.5°	1260.5	1264.5	1261.0	1265.6
5°	1176.3	1171.2	1174.6	1172.3
7.5°	1098.4	1093.9	1087.1	1084.8
10°	1026.2	1020.0	1019.4	1015.4
12.5°	973.4	967.7	959.7	958.6
15°	923.9	919.3	915.4	918.8
17.5°	881.8	877.8	876.7	873.3
20°	842.6	839.7	840.9	833.5
22.5°	811.3	805.1	803.9	803.9
25°	778.3	775.5	772.7	775.5
27.5°	749.3	746.5	745.4	745.9
30°	723.2	717.5	718.1	717.5
32.5°	694.8	691.4	690.2	689.1
35°	666.9	666.9	664.1	664.1
37.5°	641.3	640.8	639.0	640.2
40°	611.8	611.2	609.5	606.1
42.5°	583.3	581.1	580.5	579.9
45°	553.2	553.2	552.1	551.5
47.5°	523.6	524.8	527.0	526.5
50°	497.5	498.0	499.8	500.3
52.5°	468.5	472.5	474.7	474.2
55°	441.8	445.7	449.7	450.3
57.5°	415.0	420.2	424.1	425.3
60°	387.8	395.1	400.3	402.5
62.5°	361.6	370.1	375.2	375.2
65°	332.6	341.1	345.7	349.1
67.5°	302.5	311.0	315.5	318.4
70°	268.9	277.5	284.3	286.5
72.5°	235.9	243.3	248.5	251.3
75°	196.7	207.0	212.1	214.9
77.5°	159.2	169.4	172.3	174.0
80°	121.7	127.4	131.3	131.9
82.5°	86.4	91.0	91.5	93.2
85°	51.2	53.4	54.0	53.4
87.5°	21.0	20.5	20.5	21.6
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P242833
 CATALOG NUMBER: S125DRP-S1090D940-X4F0-XX-UDD-A-W

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.49	20.05	18.85	20.37	20.68	18.46	20.03	18.82	20.34	20.66
	3H	19.86	21.27	20.23	21.59	21.95	19.89	21.30	20.26	21.63	21.99
	4H	20.35	21.67	20.75	22.02	22.40	20.37	21.70	20.77	22.05	22.43
	6H	20.69	21.91	21.10	22.28	22.67	20.69	21.91	21.10	22.28	22.67
	8H	20.78	21.95	21.20	22.33	22.73	20.77	21.94	21.20	22.33	22.73
	12H	20.83	21.94	21.26	22.33	22.75	20.81	21.93	21.24	22.31	22.74
4H	2H	19.99	21.32	20.39	21.67	22.04	19.54	20.86	19.94	21.21	21.59
	3H	21.34	22.44	21.75	22.84	23.24	21.20	22.30	21.61	22.70	23.10
	4H	21.84	22.84	22.28	23.25	23.69	21.75	22.75	22.19	23.16	23.60
	6H	22.22	23.08	22.67	23.53	23.98	22.13	22.99	22.58	23.44	23.89
	8H	22.32	23.13	22.78	23.57	24.04	22.22	23.03	22.69	23.48	23.94
	12H	22.38	23.11	22.86	23.59	24.06	22.28	23.00	22.76	23.48	23.95
8H	4H	22.33	23.14	22.79	23.58	24.05	22.09	22.91	22.56	23.35	23.81
	6H	22.78	23.45	23.27	23.94	24.42	22.60	23.27	23.09	23.76	24.23
	8H	22.92	23.52	23.43	24.03	24.52	22.74	23.35	23.26	23.85	24.34
	12H	23.03	23.56	23.53	24.05	24.61	22.84	23.37	23.35	23.87	24.43
12H	4H	22.38	23.10	22.86	23.58	24.05	22.11	22.84	22.59	23.32	23.79
	6H	22.86	23.46	23.37	23.97	24.46	22.64	23.25	23.16	23.76	24.24
	8H	23.05	23.59	23.56	24.08	24.64	22.85	23.38	23.36	23.87	24.44