

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: P243507

Luminaire Tested: S124DRP-H1195D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-60)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DRP-H1195D840-X4F0-XX-UDD-A-W
Description: DEFINE 4 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

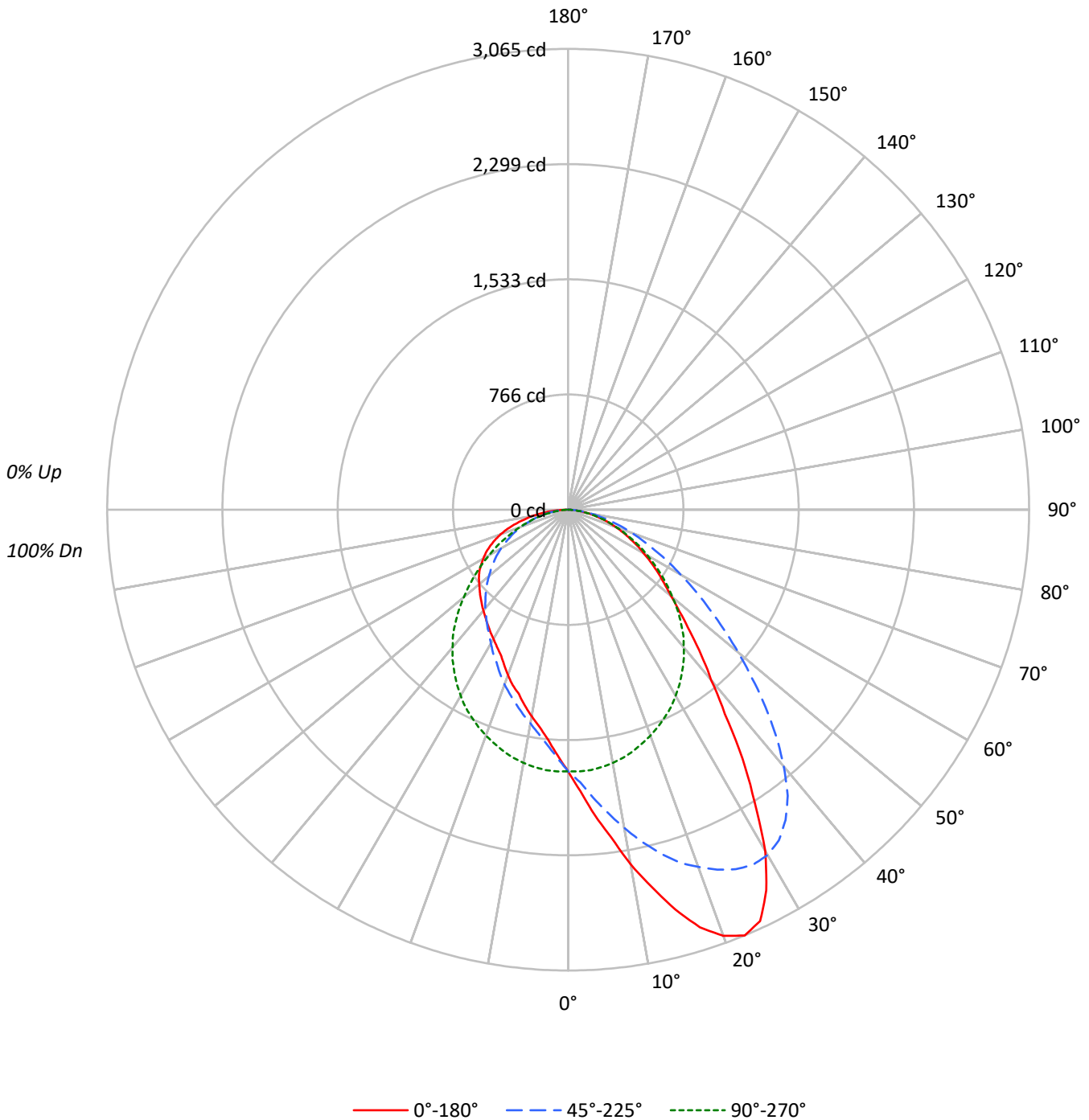
Lumens per Lamp: N/A
Luminaire Lumens: 4989.6 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.22 / 1.45
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 37.7
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	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61					61			
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53					53			
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46					46			
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41					41			
7	67	53	45	39	65	53	45	39	51	44	38	50	43	38	48	42	38	36					36			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	44	39	34	32					32			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29					29			
10	54	41	34	29	53	41	34	28	40	33	28	39	33	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15468	15468	15468	15468	15468
5°	18201	17161	15508	14019	13689
10°	21630	19405	15437	13026	12603
15°	25333	21765	15301	12314	11673
20°	28527	23918	15124	11697	11072
25°	29606	25879	14921	11034	10421
30°	26886	27221	14667	10541	10191
35°	21935	27329	14319	10188	10128
40°	17176	25870	13870	9948	10169
45°	14375	23330	13312	9724	10357
50°	12337	20400	12533	9507	10666
55°	11271	17678	11690	9345	11183
60°	10329	15342	10821	9193	11591
65°	9471	13295	9904	8889	12041
70°	8712	11648	8935	8603	12405
75°	7758	10025	7854	8026	12391
80°	6470	8144	6434	7417	12362
85°	4926	6089	4855	6660	11586

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 24384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	3.4
10°-20°	524.6	10.5
20°-30°	842.7	16.9
30°-40°	963.4	19.3
40°-50°	886.8	17.8
50°-60°	725.4	14.5
60°-70°	517.0	10.4
70°-80°	284.1	5.7
80°-90°	76.3	1.5
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°	1536.7	30.8
0°-40°	2500.1	50.1
0°-60°	4112.2	82.4
0°-90°	4989.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4989.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1740	1740	1740	1740	1740	
5°	2040	1923	1738	1571	1534	205
15°	2753	2365	1663	1338	1268	785
25°	3019	2639	1521	1125	1062	1355
35°	2021	2518	1320	939	933	1256
45°	1144	1856	1059	774	824	892
55°	727	1141	754	603	722	652
65°	450	632	471	423	572	450
75°	226	292	229	234	361	241
85°	48	60	48	65	114	58
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°	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1
2.5°	1873.6	1868.0	1865.1	1861.6	1860.8	1857.3	1850.2	1840.3	1827.5	1814.0	1814.0
5°	2039.8	2038.4	2027.8	2028.5	2015.0	2000.1	1988.7	1974.5	1946.8	1923.3	1907.0
7.5°	2198.9	2213.8	2210.3	2198.9	2179.0	2157.7	2135.0	2115.1	2064.0	2035.6	2012.1
10°	2396.4	2402.1	2392.1	2375.8	2358.0	2316.8	2287.0	2253.6	2198.2	2149.9	2107.3
12.5°	2569.7	2583.2	2565.4	2549.8	2507.9	2477.3	2447.5	2380.7	2322.5	2261.4	2199.6
15°	2752.9	2738.7	2747.9	2709.6	2679.8	2650.6	2574.6	2506.5	2440.4	2365.1	2300.5
17.5°	2912.0	2912.0	2895.0	2870.1	2838.9	2784.2	2708.2	2632.9	2559.7	2461.0	2369.4
20°	3015.7	3023.5	3003.6	2977.4	2939.7	2882.9	2822.5	2740.8	2643.5	2528.5	2424.8
22.5°	3065.4	3066.8	3059.7	3037.7	3007.2	2958.9	2897.1	2817.6	2714.6	2591.0	2482.3
25°	3018.6	3026.4	3024.2	3022.8	3007.2	2979.5	2929.8	2855.9	2762.2	2638.6	2521.4
27.5°	2853.8	2873.0	2889.3	2896.4	2913.4	2914.9	2899.9	2855.2	2778.5	2662.0	2531.3
30°	2619.4	2609.4	2653.5	2675.5	2733.7	2768.5	2793.4	2790.6	2746.5	2652.1	2527.8
32.5°	2306.9	2333.9	2365.1	2417.0	2485.9	2566.8	2627.9	2673.4	2669.1	2607.3	2503.6
35°	2021.4	2021.4	2061.1	2125.1	2198.2	2295.5	2397.8	2482.3	2534.2	2518.5	2445.4
37.5°	1711.7	1730.9	1776.3	1826.0	1915.5	2009.3	2144.2	2256.5	2365.1	2397.8	2360.2
40°	1480.2	1488.7	1537.0	1578.9	1670.5	1767.8	1880.7	2024.2	2149.2	2229.5	2234.4
42.5°	1308.3	1307.6	1327.5	1365.1	1439.0	1525.6	1647.8	1788.4	1934.7	2048.4	2101.6
45°	1143.5	1142.1	1162.7	1201.0	1253.6	1330.3	1436.1	1576.7	1726.6	1855.9	1939.7
47.5°	1004.3	1017.1	1026.3	1056.1	1099.5	1164.8	1255.7	1367.9	1512.1	1657.0	1769.9
50°	892.1	897.8	917.6	931.8	980.1	1025.6	1098.8	1199.6	1323.2	1475.2	1597.3
52.5°	802.6	806.1	818.2	836.7	864.4	904.1	962.4	1055.4	1166.9	1299.0	1425.5
55°	727.3	725.2	733.0	745.0	769.2	802.6	845.2	916.2	1013.5	1140.7	1257.1
57.5°	653.4	653.4	660.5	669.1	682.5	710.2	752.2	808.3	886.4	999.3	1102.3
60°	581.0	586.0	588.8	597.3	608.7	629.3	660.5	704.6	770.6	863.0	965.2
62.5°	517.1	517.1	522.0	524.9	539.8	554.7	577.4	615.1	666.9	749.3	828.9
65°	450.3	454.6	454.6	460.2	473.0	484.4	502.1	530.6	573.2	632.1	706.7
67.5°	393.5	393.5	397.0	399.9	407.0	414.8	430.4	452.4	488.7	535.5	603.0
70°	335.2	337.4	335.9	339.5	343.8	351.6	362.9	381.4	407.7	448.2	497.9
72.5°	282.7	279.8	281.3	284.8	286.9	291.9	299.0	313.2	334.5	367.2	403.4
75°	225.9	224.4	229.4	228.0	231.5	235.8	242.2	252.8	269.2	291.9	319.6
77.5°	176.1	174.0	176.1	177.6	179.0	182.5	187.5	193.9	205.3	220.2	245.0
80°	126.4	125.7	127.1	128.6	129.3	134.9	136.4	142.8	147.7	159.1	171.2
82.5°	83.8	85.2	85.9	87.4	86.7	89.5	90.9	95.2	99.4	105.1	114.3
85°	48.3	46.2	48.3	48.3	48.3	51.8	51.1	54.0	56.8	59.7	66.1
87.5°	17.0	17.0	17.8	18.5	18.5	20.6	19.9	21.3	24.1	24.1	26.3
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°	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1
2.5°	1809.7	1801.9	1796.2	1779.9	1769.9	1760.7	1752.2	1742.9	1733.0	1720.2	1712.4
5°	1890.0	1872.9	1848.1	1825.3	1799.8	1777.0	1758.6	1738.0	1715.2	1691.8	1671.2
7.5°	1978.7	1946.8	1908.4	1866.5	1826.8	1793.4	1758.6	1725.9	1693.9	1662.7	1633.6
10°	2067.5	2012.1	1961.7	1904.2	1851.6	1801.2	1755.7	1710.3	1670.5	1629.3	1592.4
12.5°	2149.9	2083.2	2009.3	1937.6	1867.2	1801.9	1745.8	1690.4	1639.3	1590.2	1546.9
15°	2213.1	2129.3	2042.0	1956.7	1875.8	1807.6	1734.4	1662.7	1609.4	1549.8	1502.2
17.5°	2285.6	2186.1	2099.5	1997.2	1896.4	1786.3	1708.9	1630.7	1566.8	1509.3	1461.7
20°	2333.9	2224.5	2099.5	1983.7	1880.0	1781.3	1688.3	1598.8	1531.3	1464.5	1407.0
22.5°	2372.2	2259.3	2121.5	2000.8	1870.8	1751.5	1650.6	1562.5	1483.0	1419.8	1365.1
25°	2392.1	2254.3	2122.9	1976.6	1846.6	1732.3	1618.7	1521.3	1441.1	1370.8	1323.9
27.5°	2392.8	2251.5	2095.9	1951.0	1811.8	1688.3	1576.0	1480.2	1390.0	1322.5	1266.4
30°	2389.3	2233.0	2069.0	1910.6	1772.1	1645.6	1528.5	1429.0	1346.6	1274.9	1221.6
32.5°	2366.5	2207.4	2028.5	1862.3	1711.7	1584.6	1476.6	1377.9	1289.8	1224.5	1168.4
35°	2315.4	2151.3	1971.6	1800.5	1657.7	1525.6	1419.1	1319.6	1240.8	1169.8	1112.2
37.5°	2250.1	2096.7	1914.1	1735.1	1581.0	1456.0	1355.9	1262.1	1179.7	1114.4	1056.8
40°	2167.7	2023.5	1843.8	1657.7	1503.6	1377.2	1282.7	1195.3	1125.0	1058.3	1002.2
42.5°	2054.7	1943.9	1759.3	1578.2	1416.9	1297.6	1206.0	1133.6	1061.1	1000.7	944.6
45°	1934.0	1833.1	1669.1	1489.4	1334.6	1211.7	1125.7	1059.0	997.2	936.1	890.7
47.5°	1800.5	1718.1	1566.1	1390.7	1238.0	1129.3	1044.8	985.1	928.3	881.4	836.0
50°	1641.4	1598.1	1456.0	1296.9	1148.5	1037.0	967.4	906.3	864.4	818.9	776.3
52.5°	1493.7	1458.8	1343.1	1186.8	1051.9	953.9	879.3	831.0	789.8	756.4	722.3
55°	1333.1	1315.4	1217.4	1082.4	960.3	862.2	798.3	754.3	721.6	690.4	665.5
57.5°	1185.4	1184.0	1097.3	981.6	862.2	779.1	718.1	681.8	653.4	631.4	610.1
60°	1034.1	1046.2	975.2	869.3	774.9	696.8	641.4	608.7	589.5	568.9	551.2
62.5°	897.0	915.5	850.9	767.8	674.7	610.8	568.2	543.3	522.0	507.1	493.6
65°	765.6	789.1	736.5	662.0	590.9	530.6	494.3	470.9	454.6	446.0	436.8
67.5°	649.9	662.7	627.1	568.9	510.0	457.4	427.6	407.0	392.8	389.2	378.6
70°	534.1	549.0	524.2	470.9	425.4	387.1	360.1	343.8	335.2	330.3	323.2
72.5°	441.1	447.5	422.6	385.7	349.4	317.5	297.6	285.5	275.6	273.4	269.9
75°	345.2	354.4	334.5	306.1	276.3	253.6	238.6	228.7	223.7	220.2	220.2
77.5°	260.7	268.5	257.1	232.3	214.5	194.6	184.7	175.4	173.3	169.7	171.2
80°	185.4	188.9	182.5	165.5	149.9	139.2	130.7	125.7	125.0	122.2	125.0
82.5°	122.9	123.6	116.5	108.7	96.6	90.9	85.2	83.1	82.4	82.4	81.0
85°	68.2	69.6	64.6	59.7	55.4	50.4	49.0	47.6	46.2	48.3	49.7
87.5°	26.3	27.0	26.3	24.1	22.7	21.3	20.6	22.0	19.9	21.3	22.0
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°	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1
2.5°	1700.3	1694.7	1686.1	1671.9	1662.0	1651.3	1647.1	1648.5	1644.2	1638.5	1640.0
5°	1655.6	1639.3	1625.0	1605.2	1586.7	1571.1	1566.1	1559.7	1554.0	1550.5	1546.9
7.5°	1608.0	1585.3	1564.0	1544.1	1522.8	1502.9	1495.1	1489.4	1486.5	1476.6	1472.3
10°	1562.5	1536.3	1510.7	1487.3	1465.2	1443.2	1435.4	1428.3	1418.4	1414.1	1409.1
12.5°	1514.2	1488.0	1460.3	1431.9	1409.8	1392.1	1378.6	1373.6	1363.7	1359.4	1356.6
15°	1467.4	1435.4	1413.4	1391.4	1358.0	1338.1	1332.4	1314.7	1309.0	1300.5	1294.8
17.5°	1420.5	1390.7	1358.0	1332.4	1311.8	1287.0	1273.5	1265.7	1255.0	1247.2	1236.5
20°	1374.3	1339.5	1314.0	1282.0	1259.3	1236.5	1219.5	1212.4	1203.2	1192.5	1177.6
22.5°	1329.6	1291.2	1266.4	1236.5	1208.1	1181.9	1167.6	1157.7	1139.2	1137.1	1123.6
25°	1277.0	1242.9	1210.3	1179.0	1151.3	1125.0	1115.8	1100.2	1093.8	1081.0	1078.9
27.5°	1227.3	1191.1	1155.6	1121.5	1097.3	1078.9	1062.5	1052.6	1046.2	1036.3	1037.0
30°	1175.5	1135.7	1102.3	1071.1	1044.8	1027.0	1016.4	1011.4	1002.2	1000.7	995.8
32.5°	1120.1	1083.8	1049.0	1021.3	994.3	978.7	973.7	968.8	963.1	963.8	962.4
35°	1064.7	1032.7	995.8	970.2	948.2	938.9	931.1	929.7	927.6	929.0	929.0
37.5°	1010.7	975.9	945.3	921.9	909.1	896.3	892.8	892.1	892.8	894.2	897.8
40°	958.1	926.2	896.3	877.2	863.0	857.3	852.3	854.4	857.3	862.2	866.5
42.5°	905.6	875.0	850.2	831.0	817.5	814.7	815.4	819.6	820.3	827.4	835.3
45°	850.2	823.9	800.4	785.5	777.0	773.5	774.9	779.1	784.1	794.1	804.0
47.5°	799.0	775.6	755.0	740.1	733.7	732.3	735.1	740.8	752.2	762.1	773.5
50°	747.2	725.9	706.7	693.2	692.5	687.5	693.9	701.0	714.5	728.0	745.0
52.5°	696.0	675.4	659.1	648.5	645.6	645.6	653.4	666.2	678.3	696.0	711.7
55°	642.8	624.3	608.7	605.1	600.9	603.0	611.5	624.3	641.4	661.2	678.3
57.5°	588.1	572.5	561.1	556.1	554.0	561.1	571.0	584.5	606.6	626.4	644.9
60°	536.2	522.7	510.7	509.2	507.8	517.1	529.1	543.3	565.4	585.2	608.0
62.5°	480.8	470.2	462.4	460.2	460.2	469.5	483.0	501.4	522.0	543.3	567.5
65°	424.7	415.5	413.4	410.5	416.9	422.6	436.1	453.8	475.9	499.3	524.9
67.5°	372.9	367.2	362.9	362.9	367.9	378.6	390.6	408.4	431.1	456.0	478.7
70°	321.0	315.3	311.8	315.3	318.2	331.0	343.8	360.8	382.1	406.3	430.4
72.5°	267.1	267.8	268.5	267.8	270.6	282.7	295.5	311.8	332.4	355.8	377.9
75°	219.5	215.9	216.6	218.0	227.3	233.7	246.5	262.1	284.1	305.4	323.9
77.5°	170.5	169.0	172.6	172.6	181.1	188.9	199.6	215.2	234.4	253.6	268.5
80°	125.0	125.7	128.6	129.3	136.4	144.9	156.3	166.9	184.0	197.4	211.7
82.5°	84.5	85.9	89.5	94.5	97.3	102.3	112.2	123.6	135.7	149.9	158.4
85°	49.0	51.1	54.0	57.5	60.4	65.3	72.4	81.7	90.2	98.0	105.1
87.5°	24.1	24.1	26.3	27.7	29.8	32.7	37.6	41.2	46.9	52.6	55.4
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: P243507

CATALOG NUMBER: S124DRP-H1195D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1740.1	1740.1	1740.1	1740.1
2.5°	1637.1	1636.4	1633.6	1635.0
5°	1544.8	1537.7	1537.0	1534.1
7.5°	1465.2	1463.1	1463.1	1457.4
10°	1404.2	1397.8	1399.2	1396.3
12.5°	1345.9	1342.4	1338.1	1333.8
15°	1280.6	1280.6	1280.6	1268.5
17.5°	1229.4	1228.7	1225.2	1224.5
20°	1176.2	1173.3	1164.1	1170.5
22.5°	1122.2	1120.1	1112.2	1113.7
25°	1071.8	1069.6	1068.2	1062.5
27.5°	1028.4	1029.1	1030.6	1027.0
30°	995.8	993.6	996.5	992.9
32.5°	965.2	965.2	962.4	963.1
35°	930.4	933.3	934.0	933.3
37.5°	899.9	903.4	906.3	903.4
40°	871.5	874.3	877.2	876.4
42.5°	841.6	846.6	848.7	850.9
45°	813.2	819.6	823.2	823.9
47.5°	784.1	791.9	799.0	798.3
50°	755.7	765.6	772.0	771.3
52.5°	727.3	737.2	745.0	748.6
55°	695.3	708.1	715.2	721.6
57.5°	663.4	677.6	684.7	687.5
60°	627.9	640.6	649.9	652.0
62.5°	588.1	601.6	613.7	616.5
65°	546.9	561.8	571.0	572.5
67.5°	499.3	513.5	522.7	527.0
70°	450.3	461.0	470.9	477.3
72.5°	395.6	408.4	417.6	421.9
75°	338.8	353.0	358.0	360.8
77.5°	279.8	288.4	296.2	296.9
80°	220.9	231.5	234.4	241.5
82.5°	162.6	172.6	170.5	173.3
85°	107.2	110.8	112.9	113.6
87.5°	56.8	59.0	60.4	61.1
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P243507
 CATALOG NUMBER: S124DRP-H1195D840-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	20.08	21.66	20.45	21.97	22.28	20.37	21.94	20.74	22.26	22.57
	3H	21.52	22.94	21.90	23.27	23.63	21.76	23.17	22.13	23.50	23.86
	4H	22.04	23.37	22.44	23.72	24.10	22.24	23.57	22.64	23.92	24.30
	6H	22.39	23.62	22.80	23.99	24.38	22.56	23.79	22.97	24.15	24.55
	8H	22.49	23.66	22.91	24.05	24.45	22.64	23.81	23.07	24.20	24.60
	12H	22.54	23.66	22.97	24.04	24.47	22.68	23.81	23.11	24.19	24.62
4H	2H	21.22	22.55	21.62	22.90	23.28	21.16	22.49	21.56	22.84	23.22
	3H	22.72	23.83	23.13	24.23	24.63	22.87	23.98	23.28	24.38	24.78
	4H	23.30	24.30	23.73	24.71	25.15	23.46	24.46	23.89	24.88	25.31
	6H	23.71	24.58	24.16	25.02	25.48	23.86	24.74	24.32	25.18	25.64
	8H	23.83	24.64	24.29	25.09	25.55	23.97	24.78	24.43	25.23	25.69
	12H	23.90	24.63	24.38	25.11	25.58	24.03	24.77	24.52	25.24	25.71
8H	4H	23.72	24.54	24.18	24.98	25.45	23.80	24.62	24.26	25.06	25.53
	6H	24.22	24.90	24.71	25.39	25.86	24.33	25.01	24.83	25.50	25.98
	8H	24.38	24.99	24.89	25.50	25.99	24.50	25.10	25.01	25.61	26.10
	12H	24.50	25.04	25.01	25.53	26.09	24.61	25.15	25.12	25.64	26.20
12H	4H	23.77	24.50	24.25	24.97	25.44	23.83	24.57	24.32	25.04	25.51
	6H	24.29	24.90	24.80	25.40	25.89	24.39	25.00	24.91	25.51	26.00
	8H	24.50	25.04	25.01	25.53	26.09	24.62	25.15	25.12	25.65	26.21