

T26522t. IES

IESNA: LM-63-2002
 [TEST] 26522
 [TESTLAB] LIGHTING SCIENCES, INC.
 [ISSUEDATE] 2/ 1/2010
 [MANUFAC] ESCO - OUTDOOR AREA LUMINAIRE
 [LUMCAT] S42840BZP2- 1
 [LUMINAIRE] WITH SEMI-SPECULAR REFLECTOR AND TYPE III PRISMATIC GLASS REFRACTOR
 [LAMP] ONE PHILIPS 85 WATT INDUCTION LAMP
 [LAMPCAT] QL 85W/840. LUMINAIRE OUTPUT: 5239 Lms.
 [OTHER] ONE PHILIPS QL 85W 100-120 HF GENERATOR OPERATING AT 120 VAC AND 82 WATTS
 TILT=NONE

1
 - 1
 1
 73
 30
 1
 1
 0.00
 0.00
 0.00

1
 1
 82.0
 0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25 27.5 30 32.5 35 37.5
 40 42.5 45 47.5 50 52.5 55 57.5 60 62.5 65 67.5 70 72.5 75
 77.5 80 82.5 85 87.5 90 92.5 95 97.5 100 102.5 105 107.5 110
 112.5 115 117.5 120 122.5 125 127.5 130 132.5 135 137.5 140
 142.5 145 147.5 150 152.5 155 157.5 160 162.5 165 167.5 170
 172.5 175 177.5 180
 0 5 15 25 35 45 55 60 62.5 65 67.5 70 72.5 75 77.5 80 82.5
 85 87.5 90 95 105 115 125 135 145 155 165 175 180

2009.8	1991.0	1883.2	1727.2	1549.9	1365.1	1182.9	1037.4	937.4	887.8
853.5	815.2	776.2	743.6	718.7	696.2	677.9	659.7	642.8	627.1
612.8	601.0	587.6	574.0	557.6	537.6	515.0	490.6	465.0	439.3
415.4	392.9	372.3	347.7	319.5	285.1	252.5	222.0	189.4	159.1
137.3	122.9	109.8	100.3	92.9	87.8	85.2	82.9	80.3	77.2
71.6	67.2	63.4	59.0	54.7	49.5	44.6	40.3	35.2	29.5
25.1	19.5	13.9	9.0	5.1	2.6	0.8	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1965.0	1845.3	1684.3	1502.0	1316.6	1139.9	1002.4	915.0	869.6
833.6	795.7	761.5	729.4	704.6	683.6	665.5	647.9	631.9	617.5
603.7	591.2	577.3	563.2	545.8	525.4	502.4	477.5	453.0	426.7
403.5	380.4	359.8	334.0	305.2	271.1	239.3	208.4	176.7	148.6
128.2	114.2	101.4	92.5	86.6	82.2	79.7	76.9	74.7	70.9
65.8	62.1	57.4	53.1	48.6	44.6	39.6	34.9	29.9	25.1

T26522t. IES

20.4	15.1	9.5	5.1	1.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1960.0	1841.2	1683.9	1504.6	1319.4	1140.2	1002.2	908.5	859.4
824.5	789.2	757.7	730.9	711.2	694.0	682.0	670.5	660.1	650.0
640.3	630.3	617.8	604.7	586.8	564.9	538.2	511.3	482.5	454.1
427.4	402.2	379.0	352.2	320.2	283.0	248.1	214.9	180.3	150.1
128.8	114.4	100.7	91.5	85.1	80.3	76.7	73.6	71.5	67.7
63.1	58.6	54.9	50.4	45.8	40.2	35.2	31.4	25.8	21.0
15.8	11.0	5.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1959.4	1841.6	1685.9	1501.1	1322.0	1143.7	1005.5	905.9	850.9
816.8	783.5	754.3	734.3	722.1	714.2	711.8	710.1	709.2	705.8
702.6	698.0	692.3	681.7	667.8	649.7	628.4	603.4	573.6	541.3
511.0	479.7	452.6	419.8	382.2	336.9	291.8	247.9	203.7	166.8
141.9	125.3	109.4	98.1	91.0	86.2	81.9	79.0	76.9	71.7
66.6	61.7	57.5	51.8	47.1	42.1	36.8	32.1	26.8	21.9
16.8	11.0	5.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1960.6	1847.8	1690.6	1508.0	1325.7	1146.7	1012.5	910.0	846.8
808.8	777.5	751.8	731.2	724.6	727.1	735.2	745.6	754.0	763.1
772.5	780.7	787.6	786.9	784.4	776.3	762.5	742.5	717.1	684.5
651.6	614.9	578.6	536.9	490.6	433.7	376.0	316.4	252.9	199.4
162.7	141.3	122.7	109.8	101.9	97.3	93.8	91.6	87.9	82.5
76.5	71.2	64.5	58.9	53.6	48.6	43.4	38.0	32.5	26.8
20.5	13.6	7.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1963.1	1854.3	1703.8	1522.4	1337.3	1161.9	1021.5	915.0	849.0
806.0	773.4	746.2	724.5	713.0	716.2	735.0	764.2	792.0	817.7
848.3	880.3	915.9	946.3	969.6	982.6	985.9	976.1	954.8	921.6
882.2	833.3	781.0	716.6	647.5	572.1	496.3	414.8	322.7	246.0
193.1	163.1	140.1	126.4	117.1	115.1	113.2	111.6	109.7	104.7
98.7	92.5	86.0	78.4	71.5	65.9	59.0	51.7	44.9	37.7
30.2	21.7	12.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1967.2	1861.6	1712.2	1532.7	1354.2	1174.6	1031.1	922.2	852.9
807.3	772.0	744.7	720.0	704.0	701.4	720.3	764.4	820.7	885.9
958.9	1033.2	1107.4	1173.7	1230.4	1272.2	1296.2	1300.1	1286.8	1256.8
1213.2	1158.2	1092.6	1013.8	922.2	817.3	707.3	581.8	442.4	330.9
252.2	205.7	172.7	154.7	147.0	144.5	145.5	146.1	143.6	138.6
132.0	123.6	113.8	104.7	96.6	88.8	80.1	71.8	61.5	52.1
40.8	30.8	19.5	9.5	2.2	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1968.4	1862.0	1713.7	1535.9	1354.8	1176.4	1030.9	924.1	854.2
807.5	771.6	743.0	718.6	703.1	699.5	718.1	762.7	831.0	912.9
999.3	1083.5	1165.3	1238.0	1304.0	1355.4	1389.9	1402.8	1395.5	1368.8
1326.6	1273.1	1211.7	1131.5	1040.9	933.3	815.1	677.9	518.2	381.9

T26522t. IES

284.4	225.6	186.2	167.7	160.5	159.2	159.5	159.2	157.3	152.0
144.1	134.5	124.1	114.2	105.7	98.0	88.8	79.7	68.6	57.7
45.4	34.5	22.3	11.4	3.2	0.4	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1970.7	1866.6	1720.4	1541.1	1359.9	1180.7	1034.5	926.1	856.4
808.2	772.5	743.4	719.6	703.0	699.9	716.4	760.7	828.6	911.8
1004.2	1091.1	1176.0	1251.4	1319.7	1374.6	1413.7	1430.5	1426.6	1401.8
1364.9	1313.8	1253.4	1176.9	1087.7	980.9	862.9	722.2	556.1	407.9
299.6	235.0	192.4	172.1	165.8	164.5	164.5	164.0	162.0	156.8
148.2	138.6	128.2	118.3	109.1	100.6	91.9	82.4	71.6	59.5
47.3	36.1	23.2	12.3	3.6	0.6	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1971.3	1868.6	1724.1	1546.3	1362.9	1183.8	1036.7	927.0	857.7
809.8	773.4	744.4	720.5	704.2	699.5	715.3	756.5	821.6	903.5
996.9	1085.0	1170.4	1248.9	1323.5	1379.2	1420.0	1440.9	1441.3	1422.8
1385.3	1339.2	1282.5	1209.2	1122.4	1020.4	905.9	765.3	590.9	432.0
313.1	242.1	196.4	176.8	170.1	168.6	169.0	167.7	165.5	159.6
150.1	140.7	130.4	119.7	110.7	102.8	94.0	84.0	72.7	61.5
49.3	37.1	24.2	13.2	4.5	0.6	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1970.3	1870.5	1724.1	1545.6	1366.4	1184.1	1039.7	929.1	859.6
810.3	774.0	744.9	720.5	703.6	698.6	713.0	750.3	809.6	887.2
977.6	1067.6	1156.5	1238.4	1313.3	1371.8	1414.9	1437.2	1441.2	1425.9
1394.4	1349.7	1294.7	1225.4	1145.6	1047.6	936.1	794.7	617.5	449.9
322.8	248.3	200.5	178.9	172.7	172.1	170.8	169.6	167.0	160.8
152.3	141.6	131.0	121.0	111.6	103.4	94.7	85.3	74.0	62.7
50.2	37.7	24.8	13.2	4.9	0.6	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1974.8	1872.9	1727.6	1548.5	1370.8	1188.8	1044.1	930.7	860.3
810.7	774.0	744.7	720.5	702.7	696.7	708.6	741.8	794.7	864.6
951.1	1041.0	1130.8	1211.0	1288.4	1348.2	1393.7	1419.4	1424.6	1413.7
1386.8	1346.6	1298.1	1232.7	1157.5	1063.9	953.9	814.2	636.9	461.2
329.2	252.6	203.0	180.5	174.0	172.7	171.4	170.1	167.3	160.5
151.0	140.7	130.5	120.3	111.4	103.5	94.4	86.0	74.7	62.7
49.9	38.0	25.4	13.9	4.9	0.6	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1975.3	1874.5	1731.0	1552.2	1375.8	1195.1	1046.7	933.8	861.1
812.7	775.1	745.3	720.5	701.2	693.6	701.7	730.3	774.7	837.7
921.3	1007.5	1098.2	1178.8	1255.3	1316.6	1363.2	1391.2	1398.7	1391.5
1368.6	1334.8	1289.3	1230.8	1157.5	1068.2	961.4	823.3	641.6	462.4
328.1	251.2	202.1	179.9	172.7	172.7	171.4	168.6	165.8	158.6
149.1	139.1	128.8	119.2	110.3	102.5	93.8	84.9	74.0	62.1
50.3	38.2	25.1	14.5	5.4	1.3	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1973.8	1874.5	1729.1	1553.1	1373.6	1194.3	1045.4	934.2	863.1
813.3	775.3	745.3	718.7	699.0	688.8	693.8	715.5	753.4	808.5

T26522t. IES

884.4	967.1	1055.0	1137.6	1214.1	1275.9	1322.6	1350.1	1361.6	1356.4
1339.2	1308.5	1268.8	1213.8	1146.9	1060.7	954.4	815.1	633.2	454.3
323.1	247.5	199.4	177.7	171.2	169.6	168.7	166.4	162.0	154.9
146.0	135.7	126.1	115.6	107.5	99.8	91.2	83.8	72.7	61.7
49.3	37.6	24.9	14.9	5.8	1.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1973.5	1877.0	1732.6	1555.6	1377.3	1194.7	1046.7	935.1	864.0
813.9	776.3	744.9	716.4	695.8	682.0	682.9	699.0	728.4	775.3
842.0	919.7	1005.0	1082.9	1157.5	1219.7	1268.4	1296.0	1310.3	1309.9
1298.1	1271.2	1234.5	1183.6	1119.3	1034.4	931.6	792.6	610.3	435.5
310.2	239.2	193.6	173.1	166.4	165.4	163.6	161.1	157.0	150.5
141.4	131.3	121.9	112.9	104.4	96.9	88.8	81.2	70.9	60.2
48.2	37.3	25.4	14.5	6.2	1.3	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1977.7	1880.7	1739.1	1563.5	1381.4	1201.3	1051.3	938.3	865.3
814.8	776.6	743.8	715.3	690.8	675.4	671.4	679.2	700.5	736.2
793.3	864.0	943.6	1018.7	1091.3	1150.0	1197.9	1228.3	1244.5	1248.4
1238.4	1217.3	1184.3	1139.0	1077.8	995.9	892.8	753.4	575.8	407.0
293.2	226.6	185.3	166.4	159.6	158.2	157.7	154.2	150.1	143.3
133.9	124.8	116.0	107.5	99.7	93.1	85.6	77.9	68.6	58.2
47.0	36.2	24.8	14.5	6.4	1.3	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1978.4	1880.7	1741.4	1564.4	1383.7	1202.0	1052.3	939.8	865.6
815.2	774.0	743.1	712.3	686.3	667.5	658.4	659.7	672.3	698.7
744.7	806.4	880.0	952.0	1020.6	1077.2	1122.4	1155.6	1173.2	1180.0
1173.4	1155.2	1125.4	1080.4	1021.5	938.0	831.8	694.2	523.8	373.9
271.4	212.2	175.1	157.3	151.4	150.5	149.0	146.1	141.6	134.5
126.4	117.5	109.3	102.0	94.7	88.4	81.2	74.9	65.8	55.8
45.2	34.9	23.6	14.8	6.3	1.7	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1977.7	1883.6	1740.4	1566.3	1388.1	1202.9	1054.1	940.1	866.3
814.8	773.8	741.4	709.9	683.3	659.8	645.3	639.1	642.3	657.7
693.2	742.5	806.6	871.8	937.4	990.9	1037.3	1068.2	1087.3	1095.4
1090.7	1075.8	1046.3	1000.9	940.4	854.9	748.0	617.8	460.2	328.3
243.8	194.9	162.9	146.4	140.7	139.7	138.8	135.5	131.4	124.2
117.0	108.8	101.5	94.4	89.0	83.7	77.5	70.6	62.1	53.6
43.6	33.9	23.2	13.9	6.7	2.3	0.4	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1979.0	1884.5	1745.4	1571.5	1389.9	1210.4	1057.8	942.4	867.1
815.5	772.9	739.6	707.1	679.0	651.9	633.4	620.6	615.3	620.8
643.2	681.0	733.0	789.8	849.9	900.7	944.4	976.7	995.9	1004.7
1001.4	983.9	952.9	905.7	841.5	755.3	652.3	532.3	395.4	286.1
216.8	176.2	149.5	135.4	130.1	128.6	126.9	123.8	120.1	114.1
106.6	99.9	93.5	87.8	82.5	78.1	73.1	66.2	58.4	50.8
41.8	32.1	22.3	13.5	6.7	1.9	0.4	0.0	0.0	0.0
0.0	0.0	0.0							

T26522t. IES

2009.8	1979.2	1884.1	1744.8	1567.2	1392.4	1208.2	1056.3	942.4	866.8
812.9	771.6	738.4	704.2	673.3	645.0	621.2	603.1	590.6	586.8
596.2	621.0	659.7	705.5	754.7	800.7	842.0	870.5	890.7	897.7
892.5	874.0	840.5	790.3	727.3	643.2	546.9	439.6	329.6	243.8
189.9	157.3	134.8	123.6	118.2	116.2	114.8	111.6	107.5	102.5
96.9	91.0	85.6	80.6	77.2	72.7	67.7	62.1	55.3	48.0
39.5	30.8	21.9	13.2	6.4	2.1	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1980.6	1889.5	1752.6	1577.2	1397.1	1215.1	1061.0	944.8	867.4
813.6	769.9	735.3	699.5	666.6	634.1	604.9	578.0	554.1	535.1
524.5	523.5	533.6	551.0	576.5	602.8	625.6	642.3	651.6	652.3
643.6	623.2	591.2	546.4	492.2	426.7	361.5	294.8	229.9	180.5
147.7	126.6	111.5	101.9	97.3	95.3	92.5	89.9	86.9	83.1
79.7	76.0	72.7	68.3	65.8	62.2	58.8	54.0	48.1	43.2
35.8	28.0	19.8	12.7	6.0	2.1	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1980.3	1888.6	1753.9	1581.7	1401.8	1220.1	1066.0	946.1	864.0
806.1	761.8	725.5	690.1	656.0	619.3	585.6	550.2	518.6	489.3
462.1	439.6	422.0	411.1	402.6	398.5	394.4	388.5	381.9	372.5
360.7	344.4	325.9	302.0	276.1	246.8	217.9	189.0	157.9	132.7
113.8	101.4	89.9	83.1	78.4	75.1	71.7	69.3	66.7	64.0
60.3	57.7	55.3	53.4	50.9	48.0	45.5	42.3	38.9	34.5
28.6	22.3	16.0	10.4	5.1	1.4	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1982.2	1890.5	1755.5	1583.0	1402.7	1218.6	1065.4	942.4	859.2
798.2	750.9	716.8	682.0	650.4	617.8	587.4	554.5	523.1	491.6
461.8	437.0	416.3	401.1	388.6	378.5	368.1	357.4	345.3	330.9
315.7	298.6	280.8	260.4	238.4	214.3	189.9	166.4	142.0	121.4
106.6	95.8	85.8	80.3	76.2	72.4	70.6	67.5	65.3	62.1
59.0	55.6	52.3	50.2	47.7	46.2	44.3	42.1	37.6	32.3
27.1	20.4	14.0	8.2	3.6	0.4	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1983.8	1889.0	1753.0	1574.6	1394.0	1210.4	1055.3	932.2	844.9
783.4	739.6	707.1	678.5	654.7	636.6	620.3	598.6	572.7	545.8
518.5	492.2	468.3	447.1	429.5	415.1	402.9	390.0	376.0	358.7
340.3	320.6	299.8	277.6	255.7	231.2	209.3	189.0	169.0	151.4
139.2	129.5	119.4	113.4	107.5	102.5	97.1	91.5	85.6	79.9
74.3	67.5	62.5	58.6	55.3	51.4	50.2	48.6	43.0	36.1
29.3	21.4	13.9	7.3	1.4	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1982.2	1889.9	1749.2	1571.3	1383.7	1198.2	1046.3	921.6	830.5
769.4	728.7	700.4	679.7	667.9	666.9	666.3	656.4	641.0	622.3
597.7	573.9	546.7	517.6	488.2	465.2	450.8	438.5	425.8	409.8
393.5	374.8	357.8	335.5	312.7	286.6	264.0	245.3	226.3	209.6
197.5	186.4	175.8	165.4	155.5	145.5	135.4	123.8	112.5	102.9
93.4	83.4	76.7	70.3	66.5	61.8	58.9	58.1	51.8	42.1

T26522t. IES									
33.6	23.6	13.6	5.4	0.4	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1983.8	1889.2	1748.2	1566.5	1375.5	1189.7	1033.7	907.2	815.5
760.3	725.9	700.3	685.1	684.0	698.2	710.1	709.2	702.3	688.8
669.1	645.3	614.9	579.7	538.5	511.0	495.6	485.0	473.4	460.2
443.9	426.5	409.5	388.2	363.5	335.0	310.2	291.1	273.8	259.2
248.8	238.8	227.0	214.6	201.2	186.8	171.0	154.6	138.6	123.3
111.4	98.1	89.7	81.9	77.5	71.2	66.6	68.1	61.8	49.3
39.3	25.8	14.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1982.9	1888.1	1744.5	1557.4	1370.5	1180.6	1022.8	894.1	808.5
757.5	724.9	703.0	691.2	698.6	720.1	741.8	749.9	749.0	739.9
722.1	695.8	660.4	616.6	568.0	534.2	518.2	507.8	495.0	479.1
460.9	440.2	421.3	397.9	372.2	344.1	320.9	305.2	291.8	282.4
275.1	267.4	255.3	242.6	228.1	211.8	194.2	175.5	157.0	137.9
122.3	109.2	99.7	93.1	85.1	80.1	74.7	73.4	69.7	55.8
43.6	28.6	14.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1985.4	1890.4	1742.2	1558.5	1369.2	1177.4	1016.5	891.2	807.0
759.4	728.4	707.1	699.0	707.7	734.0	759.7	773.8	775.1	764.7
740.9	713.3	677.0	634.7	583.4	545.4	525.0	512.2	497.8	481.5
463.9	443.5	423.9	400.7	373.7	345.4	321.1	303.7	289.8	280.1
274.8	266.9	256.0	244.2	230.0	214.0	196.2	179.0	160.5	140.7
123.2	111.2	104.1	97.1	89.7	84.4	80.3	78.4	73.8	62.1
48.0	30.8	16.0	6.4	0.6	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1990.7	1892.3	1747.7	1559.4	1372.0	1176.9	1015.2	891.6	812.4
763.1	731.8	716.0	708.0	714.6	744.3	766.8	783.1	786.0	775.3
751.2	719.9	682.9	638.7	586.5	547.3	528.0	515.4	500.6	484.1
465.9	445.8	425.4	402.2	375.4	348.1	323.7	305.7	292.7	283.3
277.3	269.8	259.0	247.0	232.5	217.2	199.0	181.4	163.6	143.4
126.4	113.8	107.5	102.1	95.3	90.3	86.0	86.0	78.1	70.1
53.4	35.8	21.4	11.0	4.5	0.4	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2009.8	1985.3	1873.9	1717.2	1529.3	1336.4	1143.4	990.5	872.2	799.6
756.2	726.7	715.4	707.4	718.7	748.0	768.3	783.1	780.6	766.2
741.8	709.8	671.0	625.8	571.4	536.3	519.4	507.6	493.7	475.0
456.7	436.7	416.7	394.1	367.2	340.8	318.4	302.0	289.4	280.7
273.8	267.6	256.9	243.8	229.9	215.0	196.8	179.9	161.7	142.9
126.8	115.5	109.8	104.2	97.8	91.6	88.5	88.5	79.5	72.1
55.2	37.0	24.6	14.6	8.2	5.1	1.3	0.0	0.0	0.0
0.8	0.0	0.0							