

T26523t. IES

IESNA: LM-63-2002
 [TEST] 26523
 [TESTLAB] LIGHTING SCIENCES, INC.
 [ISSUEDATE] 2/ 1/2010
 [MANUFAC] ESCO - OUTDOOR AREA LUMINAIRE
 [LUMCAT] S42840BZP2- 1
 [LUMINAIRE] WITH SEMI-SPECULAR REFLECTOR AND TYPE II PRISMATIC GLASS REFRACTOR
 [LAMP] ONE PHILIPS 85 WATT INDUCTION LAMP
 [LAMPCAT] QL 85W/840. LUMINAIRE OUTPUT: 5262 Lms.
 [OTHER] ONE PHILIPS QL 85W 100-120 HF GENERATOR OPERATING AT 120 VAC AND 83 WATTS
 TILT=NONE

1
 - 1
 1
 73
 30
 1
 1
 0.00
 0.00
 0.00

1
 1
 83.0
 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

2017.6	2025.9	1925.8	1761.6	1576.0	1384.4	1189.1	1028.7	917.9	861.9
826.3	794.4	764.9	736.2	708.0	680.2	653.3	628.4	607.1	588.1
573.2	562.0	552.5	546.8	544.2	540.7	536.3	528.6	517.3	503.7
488.1	470.3	448.5	421.6	392.1	353.9	313.3	270.7	223.5	183.0
150.9	131.6	117.8	106.5	98.3	93.9	90.1	86.5	82.1	77.7
73.9	68.8	65.2	62.1	57.0	53.1	48.8	43.9	38.7	34.4
28.7	23.1	16.9	11.8	6.9	3.1	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1977.5	1849.6	1679.2	1489.4	1303.7	1114.8	973.9	882.1	835.6
803.4	772.4	743.0	713.2	685.9	658.7	633.0	609.4	588.5	572.6
558.7	549.1	540.9	536.2	532.4	527.8	521.4	512.8	502.2	487.7
471.4	452.4	431.3	404.1	372.3	334.2	293.8	250.2	205.2	167.4
139.5	122.5	109.6	100.2	92.6	88.5	84.2	81.1	77.2	73.3
69.2	65.2	61.3	57.4	52.9	49.1	44.8	40.0	35.0	30.7

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25.4	20.0	13.7	7.8	3.5	0.5	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1968.6	1841.4	1675.5	1485.1	1300.2	1114.8	972.9	877.1	827.5
792.8	762.6	734.8	706.0	677.8	652.1	628.3	606.1	588.5	574.5
563.1	556.2	551.6	549.4	545.3	540.4	534.2	526.3	515.9	503.3
488.7	470.2	447.5	420.3	388.7	349.0	306.0	261.0	212.6	170.4
139.1	121.2	105.8	96.1	88.7	83.3	80.2	76.3	72.6	68.0
64.3	59.5	55.4	50.9	47.2	42.6	38.2	34.0	29.6	24.0
18.3	14.4	8.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1965.2	1841.5	1676.1	1485.7	1299.9	1118.9	979.1	876.7	820.4
785.8	756.5	729.1	699.1	671.8	646.2	623.0	604.2	587.9	578.5
573.1	573.5	576.3	580.2	583.9	586.1	586.7	583.5	577.6	567.9
554.1	536.8	516.2	487.0	451.0	406.5	356.8	301.2	242.1	189.9
150.6	126.9	109.6	97.0	88.7	83.3	79.5	76.1	72.1	67.0
61.7	57.2	52.3	47.6	42.6	39.1	34.4	29.6	25.4	20.4
15.0	9.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1964.0	1843.3	1677.9	1492.5	1309.7	1132.0	991.4	886.4	823.4
784.7	753.0	724.4	695.3	667.2	641.5	619.8	603.3	592.9	588.9
594.4	605.1	618.0	630.0	641.5	650.9	657.2	660.0	658.7	651.1
640.6	624.6	604.8	574.8	535.0	484.8	426.6	360.4	286.6	219.9
168.8	139.7	119.3	104.6	94.9	89.2	85.1	82.1	78.0	71.7
66.7	61.1	55.4	49.4	44.4	40.3	35.7	30.9	25.7	21.0
16.0	9.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1968.1	1849.8	1692.0	1506.6	1328.0	1146.6	1009.5	903.1	835.0
789.9	754.9	724.9	694.1	667.4	641.8	624.3	611.6	607.2	611.5
624.6	644.3	667.4	691.0	713.2	731.3	746.3	752.7	753.2	746.2
733.6	714.5	690.6	655.0	608.5	546.8	478.0	398.8	313.6	239.3
184.8	153.2	130.0	113.7	103.0	98.0	94.2	91.5	88.0	82.4
76.1	69.8	64.2	58.8	52.9	48.9	43.5	38.9	32.8	26.6
20.7	13.1	5.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1973.0	1860.9	1708.7	1527.3	1347.1	1168.0	1028.1	922.1	853.8
807.4	766.2	730.2	697.8	674.6	654.6	644.6	643.7	651.1	667.5
691.7	721.9	757.1	789.9	824.1	850.8	867.6	873.9	867.1	851.0
830.0	799.4	764.5	716.7	658.7	587.0	510.5	428.1	338.2	256.6
195.8	161.5	136.3	119.6	110.9	105.7	104.6	103.0	99.6	94.9
90.7	84.8	78.6	73.3	69.2	64.5	58.5	52.2	45.2	37.5
28.7	20.0	10.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1971.7	1863.0	1713.1	1533.2	1352.3	1175.2	1033.1	927.5	863.6
816.2	773.6	735.8	704.4	682.8	670.0	667.8	677.4	696.9	725.4
763.6	806.0	853.6	898.4	940.6	972.3	990.7	992.5	980.1	956.2
927.1	888.3	843.2	782.1	711.9	626.1	538.7	446.0	351.7	268.1

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203.6	165.6	138.7	123.3	116.2	111.7	112.1	111.5	109.6	105.8
100.8	95.8	89.8	84.3	78.9	73.6	67.6	61.5	52.2	43.1
33.5	23.1	13.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1972.6	1865.9	1715.5	1536.0	1356.5	1180.0	1036.5	932.1	867.3
820.9	778.7	740.2	709.1	689.6	681.0	684.5	701.0	728.0	764.2
811.9	862.3	916.2	966.0	1010.5	1043.1	1061.4	1060.1	1045.3	1017.7
984.8	941.9	891.8	828.8	754.5	662.8	567.9	467.9	365.8	278.2
208.9	168.8	141.0	125.2	118.7	116.1	116.8	116.9	115.5	111.7
107.1	101.5	95.8	89.6	83.7	77.7	71.3	65.4	56.5	46.3
35.0	25.4	13.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1975.2	1868.3	1718.1	1541.3	1363.2	1185.6	1040.5	935.9	870.6
826.0	784.3	743.6	712.8	696.7	692.6	702.2	727.1	762.1	807.1
863.2	920.8	981.6	1033.6	1080.3	1112.9	1128.1	1125.1	1106.3	1075.4
1039.2	993.8	941.0	873.6	796.2	703.1	605.2	498.4	387.1	289.7
215.4	171.7	143.2	127.8	122.1	120.3	122.1	122.1	121.5	118.4
113.7	108.0	101.5	94.9	88.7	82.4	75.8	68.9	59.8	49.1
37.3	26.9	15.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1975.8	1867.5	1720.5	1541.7	1365.0	1186.8	1043.3	938.4	873.9
828.4	787.1	747.6	717.8	703.2	705.6	723.5	756.7	800.3	853.8
915.2	978.5	1041.5	1095.9	1143.5	1177.4	1192.2	1187.2	1166.1	1131.1
1088.5	1039.9	984.8	915.9	838.4	743.9	644.7	531.5	409.0	301.2
220.5	174.1	144.1	130.0	125.3	125.0	126.9	127.4	127.8	124.6
120.0	113.7	107.1	99.6	93.0	86.7	79.8	72.4	62.9	51.3
39.1	28.5	16.2	5.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1975.6	1869.8	1723.1	1547.0	1370.4	1192.4	1046.5	941.2	877.6
832.8	790.8	751.1	722.6	712.2	719.5	745.2	788.1	837.5	896.4
962.1	1026.4	1089.4	1143.3	1194.0	1226.9	1244.1	1240.0	1217.4	1180.2
1136.4	1083.8	1025.5	955.7	878.9	786.5	685.4	568.1	436.2	319.2
229.0	178.5	147.2	132.5	128.2	130.0	132.1	133.4	133.4	130.6
125.6	119.1	111.9	104.3	96.7	89.8	82.4	75.4	65.2	53.8
41.1	29.1	16.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1975.6	1871.3	1728.1	1550.8	1374.2	1195.5	1048.1	944.7	881.3
835.4	794.6	755.6	728.5	721.0	734.5	766.5	816.2	873.6	935.3
1000.1	1065.3	1126.3	1180.9	1230.0	1267.1	1284.3	1280.4	1257.3	1219.4
1174.2	1120.3	1063.7	993.2	917.5	825.0	724.5	605.4	467.3	336.7
238.4	184.8	151.7	135.9	132.8	135.0	137.2	138.4	138.3	136.0
130.0	122.5	114.8	106.7	100.6	92.4	85.2	78.0	67.6	55.7
42.9	30.3	17.4	6.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1975.2	1873.4	1727.7	1551.7	1374.1	1196.3	1052.2	947.2	883.2
839.5	797.1	759.5	733.2	729.3	747.6	788.7	845.1	905.2	965.3

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1031.0	1093.1	1154.8	1209.7	1260.7	1295.4	1313.4	1309.7	1287.6	1250.4
1205.3	1151.7	1093.5	1024.2	950.7	858.6	755.8	636.8	495.9	357.7
250.6	191.0	156.0	141.0	137.2	139.1	141.8	143.4	142.8	139.7
133.7	126.0	117.8	108.9	102.1	94.8	87.1	79.2	68.5	57.2
44.1	30.9	17.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1977.4	1876.3	1734.4	1559.5	1378.2	1199.3	1054.4	950.3	887.7
841.6	800.3	763.9	739.5	735.8	758.6	804.1	864.0	924.7	986.0
1048.7	1110.1	1170.2	1225.6	1276.3	1312.1	1329.6	1326.8	1307.0	1271.5
1227.6	1174.1	1117.9	1049.6	973.8	883.5	783.0	665.0	523.7	377.3
260.8	199.2	162.2	145.0	140.6	142.8	145.1	146.8	146.3	142.9
135.9	127.8	118.7	110.6	103.0	94.9	87.6	79.8	69.2	57.9
44.5	31.3	17.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1979.0	1877.5	1737.2	1564.5	1384.7	1205.0	1059.2	955.3	891.4
846.3	803.7	767.7	743.0	741.7	766.5	814.1	876.2	935.7	994.6
1055.5	1115.3	1176.8	1232.6	1285.1	1321.0	1339.1	1338.2	1319.1	1285.2
1242.2	1189.6	1131.3	1065.0	992.0	904.3	806.2	691.5	550.0	398.5
273.2	206.7	167.8	149.3	144.3	144.7	147.8	148.7	148.8	144.6
136.5	128.4	119.7	110.5	103.3	95.2	87.8	80.4	69.8	57.9
44.5	31.9	18.5	6.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1979.3	1880.2	1738.5	1567.1	1386.7	1206.5	1060.3	957.0	894.5
848.8	806.6	769.3	745.7	744.5	771.1	818.0	878.9	937.5	996.6
1057.2	1113.8	1175.0	1229.8	1281.7	1318.7	1338.7	1337.3	1321.2	1287.4
1245.4	1194.6	1138.9	1073.5	999.8	914.0	819.3	703.9	558.7	405.3
277.5	210.2	171.0	151.3	145.4	146.6	148.7	150.2	149.1	145.0
137.2	128.2	119.1	109.3	102.1	93.9	86.7	79.5	68.9	57.6
44.8	31.9	18.7	7.4	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1980.4	1880.9	1742.4	1569.6	1389.1	1210.9	1063.1	959.7	897.1
852.0	808.0	770.2	746.1	746.2	769.9	814.6	873.2	930.8	987.7
1047.1	1103.3	1162.4	1217.2	1267.9	1304.9	1324.3	1325.2	1310.3	1280.2
1240.8	1193.3	1138.5	1074.8	1004.5	918.0	821.9	707.8	560.9	402.7
277.3	211.7	171.3	152.4	145.6	145.6	148.4	149.7	148.7	144.3
135.9	126.2	117.4	108.0	99.9	92.8	84.5	77.7	67.6	56.1
43.5	31.7	18.9	6.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1980.2	1883.4	1746.5	1573.1	1393.6	1214.1	1065.9	962.2	899.3
853.5	808.7	770.2	746.2	742.9	764.3	806.2	860.8	914.9	971.0
1029.0	1084.9	1141.4	1195.0	1246.0	1281.1	1300.6	1303.3	1289.3	1261.3
1225.6	1180.0	1130.7	1069.0	1001.1	916.2	817.8	703.0	553.2	394.4
273.7	210.2	171.0	150.4	143.8	144.1	146.6	148.2	146.3	141.9
133.7	124.1	115.2	105.8	97.4	90.2	82.4	75.4	66.1	54.8
43.2	30.3	17.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							

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2017.6	1981.7	1883.2	1746.2	1574.6	1396.0	1212.8	1067.1	964.7	900.8
854.5	808.8	770.2	744.1	739.3	755.4	790.2	840.1	892.7	947.5
1006.1	1060.9	1114.8	1165.9	1214.4	1248.2	1269.1	1271.7	1258.8	1233.2
1198.7	1158.0	1110.7	1053.1	986.1	901.2	802.8	681.5	528.7	375.9
263.1	204.1	166.7	146.8	139.7	141.0	143.4	144.1	142.8	138.1
130.2	120.2	111.5	102.4	94.2	87.1	79.5	73.0	63.8	52.9
41.6	29.6	17.8	6.2	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1985.6	1891.9	1755.7	1584.5	1407.1	1223.7	1077.5	971.9	905.2
857.0	811.2	769.8	739.8	725.7	727.7	746.4	779.6	821.9	871.3
926.6	979.7	1031.8	1078.1	1122.2	1156.8	1175.2	1177.8	1167.4	1145.5
1115.4	1078.1	1034.2	978.4	913.4	828.2	728.2	606.3	461.4	328.4
235.6	185.1	152.2	134.5	128.0	129.3	131.3	132.8	130.4	126.2
118.7	110.2	101.5	93.0	86.1	79.8	72.4	66.1	57.6	48.9
38.5	27.3	16.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1984.0	1891.3	1756.6	1588.0	1412.3	1233.1	1083.8	973.2	901.7
849.5	801.9	759.7	721.9	691.7	666.6	652.0	643.9	647.4	660.2
682.4	712.3	746.7	779.6	808.0	826.3	836.5	834.3	824.5	803.4
776.2	741.7	701.5	649.2	589.8	517.8	442.0	364.9	282.3	210.2
160.0	131.1	110.0	98.0	93.3	92.8	92.0	92.6	91.5	88.0
82.8	77.6	71.3	66.3	62.4	58.5	54.8	50.4	45.3	38.5
30.9	21.9	13.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1992.1	1899.1	1765.0	1594.5	1415.1	1238.5	1089.0	969.9	890.1
829.7	782.4	742.3	703.5	668.2	637.1	609.2	578.9	551.6	524.4
499.0	483.0	475.5	474.2	476.6	479.8	480.2	477.0	471.4	459.6
442.9	421.3	396.8	365.5	330.4	290.9	251.1	212.6	171.9	136.9
113.0	98.7	86.3	79.2	73.9	71.7	69.9	68.0	66.1	63.5
59.9	55.0	52.0	49.4	47.9	46.1	44.1	42.6	37.8	31.7
25.0	17.6	10.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1993.8	1903.6	1764.1	1593.1	1413.4	1233.7	1081.6	954.0	866.7
806.9	760.2	724.1	687.8	660.9	641.1	621.7	596.7	570.0	541.0
509.0	480.7	453.2	431.2	413.1	400.3	390.2	379.9	369.5	355.1
339.5	320.6	300.0	277.3	252.8	226.4	203.0	180.0	158.5	141.0
129.1	120.0	112.1	104.9	98.7	93.4	89.0	83.0	78.0	72.4
65.8	59.1	54.8	52.1	49.1	45.7	43.9	43.9	39.6	32.3
24.1	16.6	8.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1994.0	1904.7	1768.2	1591.3	1414.0	1228.7	1073.5	937.7	845.4
786.5	740.8	706.9	680.6	668.4	661.5	654.7	640.0	620.5	597.0
571.3	540.7	506.1	473.3	440.1	419.4	407.9	398.1	386.8	374.0
358.3	341.4	322.9	302.1	280.6	257.4	236.8	220.8	205.2	191.0
180.0	171.5	162.9	154.1	144.7	134.5	123.7	113.4	103.3	92.4
83.0	73.0	66.5	63.5	58.2	55.4	50.3	50.3	48.0	37.6

T26523t. IES									
				0.0	0.0	0.0	0.0	0.0	0.0
27.5	17.6	7.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1994.7	1906.4	1768.7	1589.3	1408.2	1217.6	1058.7	920.8	833.2
772.1	728.9	700.6	684.1	684.4	689.7	691.9	686.5	674.6	656.9
636.8	606.6	571.3	530.9	487.4	461.0	447.9	439.2	431.7	422.7
408.8	393.0	378.1	357.4	334.1	308.8	288.5	273.2	258.7	245.6
233.9	224.9	213.9	202.6	189.1	175.8	159.3	144.7	129.3	113.7
102.1	89.6	79.5	75.8	71.7	67.1	61.7	58.5	57.9	46.6
33.0	20.9	8.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	1998.0	1906.7	1766.3	1588.4	1400.4	1209.4	1045.5	909.3	824.1
769.5	729.3	705.6	694.4	700.0	716.9	727.6	731.3	723.5	710.0
694.4	665.0	626.7	582.6	533.3	503.1	489.0	479.8	468.9	455.7
439.4	420.3	401.6	379.6	356.2	330.8	313.2	300.7	288.5	277.1
267.8	258.7	248.4	236.5	223.0	206.7	188.5	169.1	150.0	131.1
116.9	103.9	92.4	85.6	83.9	79.5	74.5	68.5	66.7	56.7
40.0	25.7	10.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	2004.4	1912.8	1773.1	1594.6	1402.1	1205.9	1041.2	907.5	826.9
774.3	738.2	717.3	706.9	711.0	732.2	748.5	754.3	749.5	735.2
716.0	688.1	651.1	608.7	559.1	522.8	505.6	494.0	480.9	465.1
447.3	427.0	407.5	384.9	360.1	334.9	315.5	302.9	290.1	280.7
272.1	264.0	253.9	243.0	229.9	214.5	197.3	177.3	157.8	140.2
125.6	111.7	102.4	94.2	92.4	89.8	86.1	81.1	74.3	65.0
50.7	32.6	17.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	2010.8	1919.5	1780.4	1597.1	1405.8	1207.4	1041.8	910.5	831.9
782.1	749.5	730.0	716.3	719.8	742.6	758.0	764.3	760.8	747.1
725.2	698.2	661.5	622.4	572.6	535.5	517.2	505.1	490.5	474.2
455.7	435.3	415.9	391.6	366.2	340.1	320.8	306.6	294.2	284.1
276.2	268.1	258.7	247.5	234.9	219.9	203.2	182.3	163.2	145.4
131.6	118.0	108.7	102.1	99.6	98.4	94.8	92.0	83.3	71.3
59.4	39.5	22.8	11.9	5.6	1.5	0.0	0.0	0.0	0.0
0.0	0.0	0.0							
2017.6	2005.3	1889.3	1732.8	1539.9	1340.5	1148.3	990.5	880.1	811.9
769.8	746.2	724.9	715.4	726.7	751.8	761.8	766.7	758.5	740.5
718.0	687.9	648.9	605.1	554.5	524.2	510.6	498.1	483.7	466.8
446.7	424.7	404.1	379.5	353.9	330.2	312.0	299.5	287.6	278.7
271.7	263.0	253.0	242.5	228.6	214.3	195.5	176.0	157.3	141.6
127.8	116.0	107.8	101.4	100.8	99.0	93.9	90.8	79.5	70.8
55.7	36.2	20.5	11.8	6.2	2.6	0.5	0.0	0.0	0.0
0.0	0.0	0.0							