

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV2-LED35-80-MO-4-SAL-TMW-D1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L112411502  
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
[ISSUE DATE] 11/25/2024  
[MANUFAC] PRUDENTIAL LIGHTING  
[LUMCAT] WV2-LED35-80-MO-4'-SAL-TMW-D1-SC-UNV-DM01  
[LUMINAIRE] OSRAM OTi-50 PROGRAMMED @ 1192 mA  
[BALLASTCAT] OPTOTRONIC OTi 50/120-277/1A4 DIM-1 L G2  
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
[TEST PROCEDURE] IESNA:LM-79-19

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2956
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.50 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9522	9545	9484
55	8771	8790	8641
65	7890	7928	7751
75	6700	6948	6865
85	4421	6018	6448

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-MO-4-SAL-TMW-D1.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	1151.82	1151.82	1151.82	1151.82	1151.82	1151.82	1151.82	1151.82	1151.82
1	1151.28	1151.28	1151.28	1151.82	1152.36	1151.82	1151.28	1150.74	1150.74
2	1150.20	1150.74	1150.74	1151.28	1151.82	1150.74	1150.74	1149.66	1150.20
3	1148.58	1149.66	1149.12	1150.20	1150.20	1149.12	1149.12	1148.58	1148.58
4	1146.96	1147.50	1147.50	1148.58	1148.58	1146.96	1147.50	1146.42	1146.96
5	1143.72	1145.34	1144.80	1146.42	1145.88	1144.80	1144.80	1143.72	1144.26
6	1141.02	1142.64	1142.10	1143.72	1143.18	1141.56	1142.10	1140.48	1141.02
7	1137.24	1139.40	1138.32	1140.48	1139.40	1137.78	1138.32	1136.70	1137.78
8	1132.92	1135.08	1134.00	1136.70	1135.62	1132.92	1134.00	1131.84	1133.46
9	1128.06	1130.76	1129.68	1132.38	1130.76	1128.60	1129.68	1126.98	1128.60
10	1123.20	1125.36	1124.28	1127.52	1125.90	1123.20	1124.28	1121.58	1123.20
11	1117.26	1119.96	1118.88	1122.12	1120.50	1117.80	1118.88	1115.64	1117.80
12	1111.32	1113.48	1112.40	1116.18	1114.02	1111.32	1112.40	1109.16	1111.32
13	1104.30	1107.54	1106.46	1109.70	1107.54	1104.84	1105.38	1102.68	1104.84
14	1096.74	1099.98	1098.90	1102.68	1100.52	1097.28	1098.36	1094.58	1097.28
15	1088.64	1092.96	1090.80	1095.66	1092.42	1089.18	1090.80	1086.48	1089.18
16	1080.54	1084.32	1083.24	1087.56	1084.86	1081.08	1082.70	1078.38	1081.08
17	1071.36	1076.22	1074.06	1078.92	1075.68	1071.90	1074.06	1069.20	1071.90
18	1062.18	1066.50	1064.88	1070.28	1067.04	1062.72	1064.88	1060.02	1062.72
19	1052.46	1056.24	1055.16	1060.56	1057.32	1052.46	1055.16	1049.76	1051.92
20	1042.20	1047.06	1045.44	1050.84	1047.60	1042.74	1044.90	1040.04	1042.74
21	1031.40	1035.72	1034.64	1040.58	1036.26	1031.94	1034.64	1028.70	1030.86
22	1020.60	1025.46	1023.30	1029.78	1026.00	1020.60	1023.30	1017.90	1021.14
23	1009.26	1013.58	1011.96	1018.44	1014.12	1008.72	1011.96	1005.48	1008.72
24	996.30	1002.78	1000.08	1006.56	1002.24	996.84	1000.08	993.06	996.84
25	984.96	989.82	988.20	994.68	989.82	984.42	988.20	981.18	984.42
26	970.92	977.94	975.24	981.72	977.40	971.46	975.24	968.22	971.46
27	959.04	964.44	962.28	968.76	963.90	958.50	962.28	955.26	958.50
28	944.46	950.94	949.32	954.72	949.86	945.00	947.70	941.22	945.00
29	932.04	937.44	935.28	941.76	935.82	930.96	935.28	928.26	931.50
30	916.38	923.40	921.24	926.64	921.78	916.38	920.16	913.14	917.46
31	902.34	909.36	906.12	913.68	907.20	900.18	907.20	899.10	902.88
32	887.76	894.78	892.62	897.48	892.62	886.68	891.00	884.52	888.30
33	872.64	880.20	875.88	883.98	876.96	870.48	876.96	869.40	873.72
34	857.52	865.08	862.38	867.24	861.84	856.44	860.76	853.74	858.60
35	842.40	849.42	845.64	851.58	846.18	839.16	845.64	838.62	842.94
36	826.74	834.30	831.06	835.92	829.98	824.58	829.44	822.96	827.82
37	811.08	818.10	813.78	819.72	812.70	806.76	813.78	807.30	810.54
38	794.88	802.98	799.20	803.52	797.04	791.64	798.12	791.10	795.96
39	778.68	786.24	781.38	787.32	779.76	773.82	781.38	774.90	778.68
40	762.48	770.04	765.18	771.12	763.02	757.62	765.18	757.62	763.56
41	746.28	753.30	748.44	753.84	745.74	740.34	748.44	741.96	745.74
42	727.92	737.10	731.70	737.10	729.00	723.60	731.70	724.68	730.62
43	712.80	720.36	714.96	720.36	711.72	706.32	714.96	709.02	712.80
44	694.98	703.08	698.22	702.54	693.36	689.04	697.14	691.20	696.06
45	679.32	686.88	680.94	686.34	676.62	671.76	680.94	675.00	679.32
46	660.96	669.06	663.66	667.98	658.26	654.48	663.66	657.18	662.04
47	645.84	652.86	646.92	650.70	641.52	636.66	646.92	640.98	645.30
48	626.94	635.04	629.64	632.34	623.16	619.38	629.10	623.16	628.02
49	609.66	618.84	612.36	615.60	605.88	601.02	612.36	605.34	611.28
50	592.92	601.02	595.08	597.24	587.52	584.82	594.54	589.14	594.00
51	576.18	583.74	578.34	579.96	570.78	565.92	577.26	571.32	577.26
52	558.90	566.46	561.06	562.14	552.42	549.18	559.98	555.12	559.98
53	541.62	548.64	542.70	543.78	534.60	530.82	542.16	536.76	542.70

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-MO-4-SAL-TMW-D1.IES**

**CANDELA TABULATION - (Cont.)**

54	524.88	532.44	526.50	527.04	517.32	514.62	525.42	520.56	525.96
55	507.60	514.62	508.68	508.68	500.04	496.26	507.60	502.74	508.68
56	490.32	497.88	490.32	492.48	481.68	478.44	491.40	485.46	491.40
57	473.58	480.06	474.12	474.12	464.94	461.70	473.58	468.72	474.12
58	456.30	463.86	456.30	457.92	447.12	443.88	457.38	451.44	457.38
59	439.56	446.04	439.56	439.56	430.92	427.68	439.56	434.16	440.10
60	422.28	429.30	422.28	422.82	413.10	409.86	422.28	417.42	421.74
61	405.00	412.02	405.54	406.08	396.90	393.66	405.00	400.68	406.08
62	388.26	394.74	388.26	389.34	379.62	376.38	388.80	382.86	387.72
63	371.52	378.54	372.06	372.60	363.96	360.72	372.06	366.66	372.06
64	354.78	361.26	354.78	355.86	346.68	343.44	354.78	349.38	354.24
65	336.42	345.06	338.04	339.66	330.48	327.24	338.58	332.64	338.58
66	321.30	327.78	321.84	323.46	314.28	311.04	322.38	316.44	320.22
67	302.94	312.12	305.64	307.26	298.62	295.38	305.64	299.70	305.10
68	287.82	294.84	289.44	291.06	282.96	279.18	289.44	283.50	287.28
69	270.00	278.64	273.24	274.86	266.76	263.52	272.70	266.76	270.54
70	255.42	262.44	257.58	259.74	252.18	248.40	257.58	251.10	254.34
71	237.60	246.24	241.92	243.54	236.52	233.28	240.84	234.36	238.14
72	221.40	230.04	225.72	229.50	222.48	213.84	226.26	219.24	221.94
73	205.20	214.38	208.98	213.30	207.90	204.12	209.52	200.34	205.74
74	186.30	198.72	195.48	200.34	194.40	189.00	196.02	187.92	189.54
75	174.96	183.60	181.44	184.68	179.28	175.50	179.82	167.94	174.42
76	159.84	167.40	166.32	170.64	165.78	157.14	165.24	157.68	158.76
77	144.18	153.36	152.82	156.60	152.28	148.50	150.66	143.10	143.64
78	129.60	138.24	138.24	143.64	139.32	135.00	137.16	128.52	128.52
79	115.02	124.74	125.28	130.68	126.90	122.58	123.66	114.48	113.94
80	100.98	110.16	111.78	117.72	114.48	109.62	110.70	100.98	98.82
81	88.02	96.12	99.36	105.84	102.06	97.20	98.28	87.48	85.86
82	73.98	83.16	87.48	92.88	90.18	86.40	85.32	75.06	72.90
83	61.02	70.74	75.06	81.54	78.84	73.98	73.44	63.18	60.48
84	49.68	59.40	64.26	70.74	68.04	63.72	62.64	51.30	48.06
85	38.88	48.06	52.92	61.02	56.70	52.38	51.30	41.04	37.26
86	29.16	37.26	42.66	49.14	46.98	42.66	41.04	31.32	27.00
87	19.44	28.08	33.48	39.42	37.80	34.02	32.94	22.68	18.90
88	12.42	19.44	24.84	32.40	30.24	26.46	23.22	14.58	10.80
89	5.40	12.42	17.82	23.76	23.22	19.44	16.20	8.64	4.86
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-MO-4-SAL-TMW-D1.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	416.08	N.A.	14.10
0-30	870.60	N.A.	29.50
0-40	1398.79	N.A.	47.30
0-60	2375.31	N.A.	80.40
0-80	2898.05	N.A.	98.10
0-90	2955.58	N.A.	100.00
10-90	2846.94	N.A.	96.30
20-40	982.71	N.A.	33.20
20-50	1506.72	N.A.	51.00
40-70	1309.61	N.A.	44.30
60-80	522.74	N.A.	17.70
70-80	189.65	N.A.	6.40
80-90	57.53	N.A.	1.90
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2955.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	108.64
10-20	307.44
20-30	454.52
30-40	528.19
40-50	524.01
50-60	452.51
60-70	333.09
70-80	189.65
80-90	57.53
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-MO-4-SAL-TMW-D1.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

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	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-MO-4-SAL-TMW-D1.IES**

**UGR TABLE - CORRECTED**

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	19.6	21.2	20.0	21.5	21.9	19.4	21.0	19.8	21.4	21.7
	3H	21.3	22.8	21.7	23.1	23.5	21.2	22.6	21.5	22.9	23.3
	4H	21.9	23.3	22.3	23.7	24.0	21.8	23.2	22.2	23.5	23.9
	6H	22.4	23.6	22.8	24.0	24.4	22.3	23.6	22.7	24.0	24.4
	8H	22.5	23.7	22.9	24.1	24.5	22.5	23.7	23.0	24.1	24.5
	12H	22.6	23.7	23.0	24.1	24.5	22.7	23.8	23.1	24.2	24.6

UGR Viewed Endwise

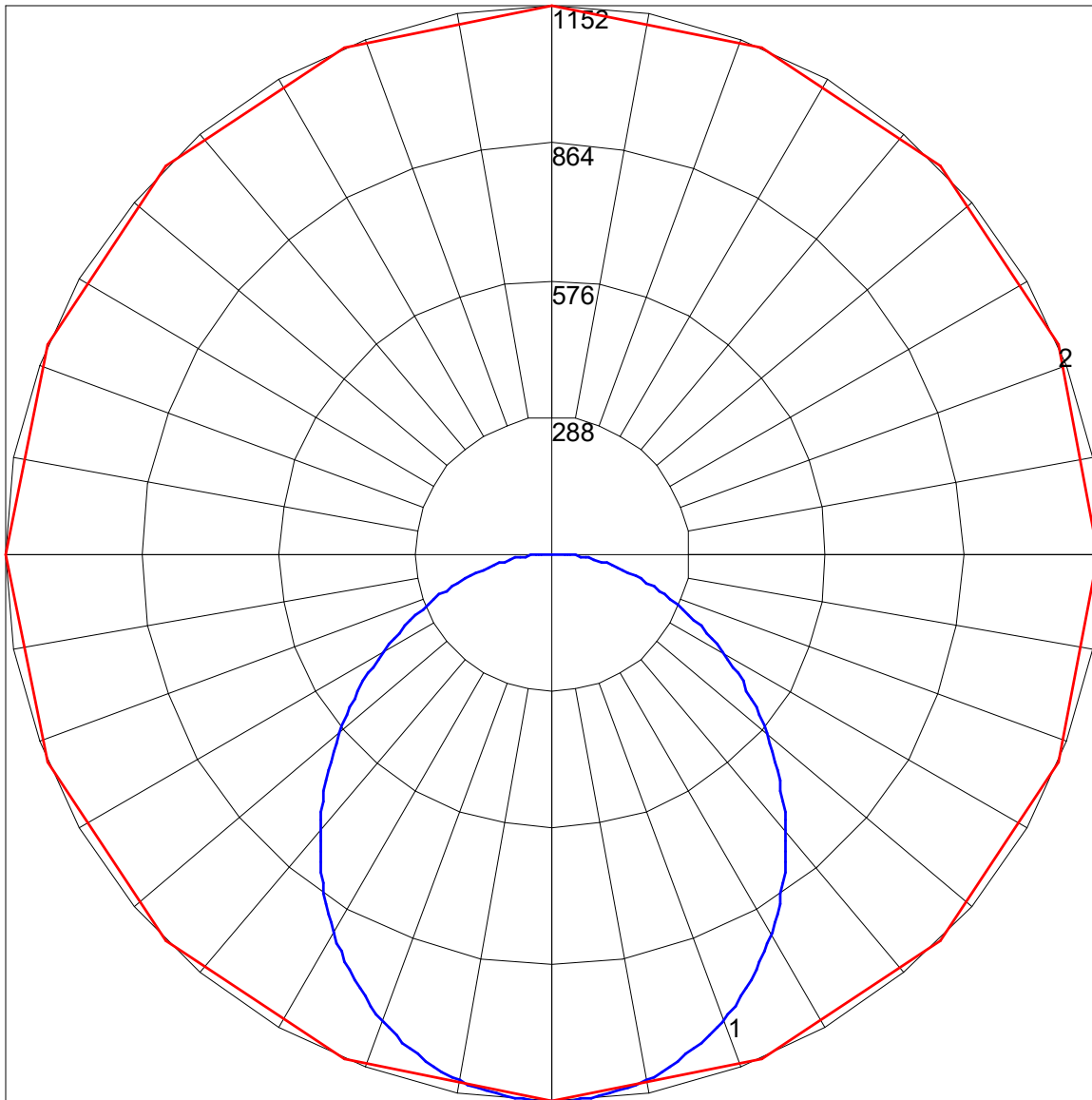
4H	2H	20.2	21.6	20.6	21.9	22.3	20.1	21.4	20.5	21.8	22.2
	3H	22.2	23.3	22.6	23.7	24.1	22.0	23.1	22.4	23.5	23.9
	4H	22.9	23.9	23.3	24.4	24.8	22.8	23.8	23.2	24.2	24.7
	6H	23.5	24.4	23.9	24.8	25.3	23.5	24.4	23.9	24.8	25.3
	8H	23.7	24.5	24.1	25.0	25.4	23.7	24.5	24.2	25.0	25.5
	12H	23.8	24.5	24.2	25.0	25.5	23.9	24.7	24.4	25.1	25.6

8H	4H	23.2	24.1	23.7	24.5	25.0	23.1	24.0	23.6	24.4	24.9
	6H	23.9	24.6	24.4	25.1	25.6	23.9	24.6	24.4	25.1	25.6
	8H	24.2	24.8	24.7	25.3	25.8	24.2	24.9	24.7	25.4	25.9
	12H	24.4	24.9	24.9	25.4	26.0	24.5	25.1	25.0	25.6	26.1

12H	4H	23.2	24.0	23.7	24.5	25.0	23.1	23.9	23.6	24.4	24.8
	6H	24.0	24.6	24.5	25.1	25.6	24.0	24.6	24.5	25.1	25.6
	8H	24.3	24.9	24.8	25.4	25.9	24.4	24.9	24.9	25.4	26.0

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 1152.36 Located At Horizontal Angle = 90, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)