

IESNA91
[MANUFAC] Pi Power Solutions Co., LTD
[LUMINAIRE] PP-HM-20
[_CHANGED] file converted from LDT by IES Viewer 3.6 (C) Andrey Legotin
TILT=NONE
1 2000 2 181 12 1 2 0.6 0.075 0.04
1 1 20
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
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29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53
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55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79
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81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103
104
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122
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124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141
142
143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160
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162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179
180
0 30 60 90 120 150 180 210 240 270 300 330
294.95 296.02 295.96 295.78 295.55 295.21 294.79 294.28 293.67 292.98
292.19
291.34 290.4 289.35 288.23 287.01 285.7 284.32 282.85 281.25 279.61 277.91
276.07 274.18 272.23 270.13 268.02 265.82 263.5 261.15 258.73 256.18 253.59
250.92 248.22 245.4 242.52 239.58 236.61 233.56 230.41 227.21 223.98 220.71
217.36 213.99 210.55 207.09 203.57 200.04 196.47 192.85 189.23 185.63
181.96
178.29 174.66 170.99 167.31 163.67 159.97 156.28 152.64 148.98 145.31
141.69
138.08 134.44 130.89 127.31 123.79 120.3 116.8 113.35 109.95 106.58 103.21
99.94 96.71 93.47 90.32 87.22 84.15 81.17 78.22 75.32 72.47 69.71 67.01
64.37
61.73 59.24 56.77 54.36 52.02 49.76 47.55 45.41 43.34 41.35 39.4 37.54
35.74
34 32.33 30.73 29.16 27.69 26.25 24.25 22.36 20.93 19.74 18.72 17.84 17.09
16.15 15.21 14.35 13.55 12.87 12.21 11.59 11.05 10.51 10.06 9.64 9.25 8.88
8.56 8.25 7.98 7.71 7.46 7.22 6.97 6.74 6.51 6.31 6.09 5.9 5.69 5.48 5.3
5.11
4.91 4.73 4.57 4.4 4.22 4.07 3.92 3.77 3.56 3.39 3.23 3.11 3 2.9 2.73 2.58
2.51 2.43 2.34 2.25 2.13 2.05 2 1.93 1.87 1.81 1.75 1.72 1.69 1.65 1.59
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294.95 295.16 295.01 294.77 294.46 294.06 293.57 292.98 292.33 291.54
290.69
289.74 288.71 287.58 286.36 285.04 283.61 282.14 280.56 278.9 277.19 275.34
273.39 271.41 269.32 267.17 264.92 262.63 260.23 257.75 255.21 252.57
249.92
247.14 244.29 241.39 238.45 235.41 232.36 229.17 225.96 222.67 219.36
216.03
212.61 209.12 205.64 201.97 198.39 194.78 191.09 187.4 183.67 179.92 176.18

172.43 168.66 164.85 161.07 157.27 153.49 149.73 145.98 142.17 138.42
134.69
130.95 127.29 123.6 119.92 116.29 112.7 109.14 105.65 102.19 98.71 95.31
91.97 88.7 85.47 82.3 79.14 76.08 73.06 70.15 67.27 64.47 61.73 59.05 56.47
53.95 51.5 49.12 46.81 44.57 42.38 40.32 38.34 36.39 34.54 32.76 31.03
29.41
27.85 26.36 24.89 23.5 22.07 20.07 18.58 17.36 16.29 15.39 14.55 13.56
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11.82 11.04 10.44 10.09 9.58 9.11 8.73 8.33 7.99 7.7 7.41 7.15 6.94 6.72
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6.31 6.12 5.95 5.76 5.59 5.41 5.25 5.08 4.93 4.76 4.61 4.5 4.33 4.21 4.03
3.84 3.66 3.45 3.14 3.07 2.89 2.73 2.61 2.47 2.39 2.32 2.26 2.16 2.05 2.02
1.95 1.86 1.82 1.81 1.79 1.76 1.72 1.67 1.62 1.61 1.55 1.53 1.52 1.51 1.49
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294.95 294.54 294.3 293.97 293.51 292.97 292.31 291.57 290.71 289.78 288.7
287.55 286.29 284.92 283.46 281.92 280.28 278.54 276.71 274.79 272.8 270.68
268.48 266.24 263.85 261.4 258.91 256.28 253.58 250.85 248.02 245.08 242.13
239.09 235.96 232.77 229.56 226.23 222.88 219.45 215.95 212.41 208.78
205.11
201.47 197.64 193.84 190.01 186.1 182.14 178.17 174.13 170.04 165.97 161.83
157.66 153.5 149.33 145.08 140.87 136.64 132.34 128.12 123.86 119.57 115.36
111.15 106.95 102.8 98.66 94.55 90.5 86.48 82.55 78.68 74.84 71.12 67.45
63.86 60.36 56.95 53.64 50.41 47.36 44.39 41.49 38.77 36.16 33.63 31.27
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26.91 24.95 23.08 21.35 19.73 18.21 16.8 15.5 14.33 13.18 12.19 11.24 10.34
9.56 8.82 8.13 7.5 6.82 6.26 5.86 5.44 5.04 4.78 4.59 4.44 4.27 4.16 4.04
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294.95 294.21 293.95 293.54 292.99 292.34 291.61 290.75 289.78 288.71 287.5
286.21 284.8 283.29 281.67 279.98 278.18 276.25 274.25 272.16 269.98 267.65
265.27 262.79 260.23 257.58 254.9 252.08 249.16 246.17 243.13 240.05 236.87
233.58 230.23 226.85 223.4 219.82 216.25 212.64 208.87 205.07 201.28 197.41
193.47 189.44 185.39 181.28 177.17 172.97 168.75 164.46 160.12 155.73
151.33
146.95 142.46 137.91 133.34 128.77 124.14 119.48 114.82 110.06 105.27
100.51
95.73 90.94 86.1 81.22 76.36 71.52 66.69 61.91 57.13 52.35 47.64 43.01
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34.02 29.73 25.53 21.54 17.8 14.26 11.08 8.27 5.83 3.82 2.3 1.21 0.53 0.14
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285.78 284.39 282.87 281.27 279.57 277.79 275.9 273.93 271.83 269.67 267.4

265.08 262.64 260.15 257.55 254.88 252.09 249.25 246.37 243.39 240.31
237.22
234.01 230.73 227.41 224.02 220.56 217.04 213.46 209.81 206.12 202.39
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194.75 190.82 186.9 182.9 178.84 174.74 170.61 166.44 162.22 158 153.71
149.42 145.09 140.72 136.32 131.97 127.5 123.05 118.63 114.12 109.64 105.21
100.7 96.23 91.82 87.41 83.04 78.73 74.48 70.22 66.12 62.11 58.13 54.26
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46.9 43.39 40.02 36.8 33.73 30.82 28.07 25.49 23.09 20.89 18.81 16.93 15.25
13.68 12.29 11.04 9.94 8.93 8.05 7.28 6.57 5.94 5.36 4.87 4.41 4.12 3.81
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3.45 3.32 3.18 3.01 2.91 2.79 2.67 2.58 2.5 2.44 2.4 2.36 2.32 2.29 2.23
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294.95 293.91 293.6 293.19 292.67 292.1 291.42 290.64 289.8 288.8 287.71
286.57 285.35 283.97 282.55 281.03 279.37 277.68 275.93 274.04 272.06
270.04
267.9 265.66 263.39 261.06 258.6 256.07 253.47 250.79 248.03 245.24 242.38
239.39 236.39 233.32 230.16 226.96 223.7 220.36 216.96 213.51 210.06 206.53
202.93 199.33 195.64 191.9 188.13 184.39 180.6 176.72 172.84 168.95 165.07
161.18 157.28 153.36 149.44 145.56 141.67 137.76 133.92 130.04 126.16
122.37
118.57 114.79 111.08 107.34 103.68 100.06 96.5 92.97 89.5 86.09 82.69 79.42
76.19 73.01 69.95 66.87 63.91 61.05 58.28 55.55 52.93 50.37 47.88 45.47
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40.97 38.86 36.81 34.86 32.97 31.17 29.45 27.85 26.29 24.79 23.4 22.07
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19.66 18.47 16.83 15.45 14.3 13.38 12.64 11.88 11.08 10.4 9.67 9.16 8.86
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8.17 7.88 7.57 7.31 7.08 6.87 6.66 6.47 6.26 6.1 5.92 5.76 5.63 5.43 5.3
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5 4.85 4.73 4.59 4.45 4.34 4.18 4.06 3.96 3.82 3.71 3.58 3.46 3.34 3.2 3.1
3.01 2.91 2.83 2.75 2.67 2.6 2.48 2.4 2.33 2.25 2.18 2.1 2.04 1.97 1.92
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1.79 1.74 1.7 1.64 1.62 1.55 1.51 1.48 1.46 1.46 1.4 1.4 1.38 1.38 1.44
294.95 295.92 295.73 295.45 295.1 294.65 294.13 293.54 292.81 292.02 291.14
290.19 289.12 287.98 286.77 285.47 284.05 282.58 280.99 279.33 277.61
275.77
273.87 271.89 269.84 267.67 265.47 263.16 260.78 258.36 255.8 253.2 250.55
247.8 244.98 242.11 239.17 236.15 233.08 229.96 226.78 223.56 220.24 216.91
213.53 210.12 206.65 203.14 199.6 196.03 192.47 188.85 185.24 181.62 177.93
174.27 170.65 166.95 163.27 159.61 155.92 152.26 148.63 144.95 141.35
137.71
134.1 130.57 127.04 123.48 119.99 116.54 113.09 109.67 106.33 103 99.7
96.48
93.28 90.12 87.04 84.03 81.04 78.09 75.19 72.41 69.66 66.97 64.32 61.77
59.25
56.81 54.48 52.16 49.91 47.74 45.63 43.59 41.62 39.7 37.86 36.1 34.39 32.72
31.14 29.63 28.13 26.72 25.37 23.9 21.86 20.36 19.19 18.18 17.33 16.63
15.87

15.02 14.24 13.49 12.8 12.25 11.68 11.15 10.67 10.24 9.84 9.46 9.14 8.8
8.52
8.25 8 7.73 7.47 7.23 6.99 6.77 6.54 6.3 6.1 5.88 5.68 5.47 5.28 5.09 4.9
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4.53 4.36 4.2 4.03 3.86 3.69 3.47 3.32 3.2 3.09 2.93 2.84 2.75 2.61 2.49
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2.29 2.19 2.12 2.04 1.97 1.88 1.82 1.74 1.71 1.64 1.6 1.57 1.55 1.52 1.5
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294.95 295.13 294.98 294.76 294.42 294.01 293.54 292.91 292.23 291.44
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289.59 288.55 287.39 286.12 284.83 283.36 281.84 280.27 278.57 276.81
274.95
272.99 270.96 268.87 266.67 264.39 262.01 259.58 257.07 254.48 251.83
249.08
246.24 243.35 240.43 237.39 234.32 231.16 227.93 224.62 221.34 217.96
214.54
211.06 207.46 203.89 200.26 196.61 192.91 189.21 185.41 181.64 177.86
174.07
170.27 166.45 162.63 158.76 154.95 151.16 147.37 143.56 139.78 135.97
132.25
128.5 124.81 121.1 117.45 113.81 110.21 106.69 103.17 99.73 96.27 92.9
89.61
86.35 83.17 80.01 76.88 73.87 70.92 68.07 65.24 62.5 59.82 57.2 54.71 52.24
49.87 47.59 45.34 43.2 41.12 39.15 37.22 35.38 33.62 31.89 30.26 28.68 27.2
25.77 24.41 23.09 21.74 19.8 18.33 17.11 15.96 15.24 14.51 13.62 12.73
11.96
11.23 10.68 10.39 9.94 9.52 9.15 8.8 8.47 8.18 7.91 7.66 7.4 7.21 7 6.77
6.58
6.37 6.18 6 5.81 5.64 5.45 5.27 5.1 4.92 4.81 4.65 4.5 4.34 4.21 4.08 3.89
3.75 3.64 3.46 3.3 3.19 3.07 2.97 2.85 2.76 2.66 2.54 2.45 2.37 2.28 2.19
2.11 2.04 1.98 1.89 1.82 1.79 1.72 1.65 1.61 1.57 1.56 1.52 1.49 1.48 1.45
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294.95 294.71 294.63 294.45 294.16 293.77 293.28 292.7 291.97 291.18 290.3
289.26 288.14 286.93 285.62 284.19 282.65 281.04 279.33 277.52 275.64
273.59
271.51 269.35 267.06 264.69 262.27 259.7 257.1 254.38 251.57 248.69 245.76
242.71 239.59 236.42 233.19 229.84 226.48 223.02 219.46 215.88 212.25 208.5
204.77 200.93 197.02 193.09 189.08 185.03 180.99 176.86 172.66 168.46
164.21
159.91 155.61 151.26 146.94 142.55 138.14 133.76 129.32 124.9 120.53 116.18
111.79 107.46 103.2 98.9 94.69 90.53 86.37 82.32 78.33 74.42 70.55 66.82
63.14 59.56 56.11 52.76 49.46 46.36 43.33 40.45 37.72 35.11 32.62 30.28
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25.98 24.05 22.21 20.51 18.94 17.49 16.16 14.88 13.74 12.7 11.72 10.82 9.99
9.24 8.53 7.9 7.32 6.77 6.35 5.93 5.53 5.29 4.98 4.72 4.49 4.3 4.17 4.07
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3.82 3.73 3.65 3.55 3.44 3.36 3.3 3.22 3.15 3.07 2.99 2.92 2.87 2.79 2.74
2.65 2.49 2.46 2.4 2.36 2.3 2.26 2.19 2.16 2.14 2.1 2.05 2.03 1.97 1.93
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1.89 1.84 1.83 1.81 1.75 1.74 1.72 1.68 1.68 1.64 1.62 1.6 1.58 1.54 1.5
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289.08 287.9 286.63 285.28 283.76 282.15 280.47 278.67 276.78 274.76 272.64
270.4 268.12 265.72 263.25 260.64 257.93 255.18 252.31 249.37 246.34 243.26
240.03 236.73 233.39 229.99 226.48 222.92 219.26 215.51 211.76 207.94
204.04
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294.95 294.36 294.38 294.31 294.1 293.79 293.4 292.87 292.23 291.48 290.65
289.69 288.63 287.47 286.18 284.82 283.34 281.77 280.05 278.28 276.41
274.42
272.35 270.16 267.91 265.56 263.12 260.56 257.95 255.22 252.4 249.54 246.57
243.53 240.41 237.23 233.92 230.57 227.17 223.68 220.11 216.53 212.81
209.08
205.28 201.41 197.43 193.48 189.45 185.34 181.21 177.01 172.74 168.44
164.11
159.73 155.3 150.85 146.36 141.85 137.31 132.69 128.11 123.46 118.8 114.17
109.48 104.84 100.18 95.53 90.88 86.34 81.77 77.32 72.88 68.52 64.26 60.09
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52.03 48.22 44.5 40.92 37.52 34.29 31.22 28.34 25.61 23.1 20.79 18.62 16.69
14.89 13.27 11.82 10.56 9.39 8.37 7.46 6.66 5.94 5.3 4.72 4.25 3.83 3.5
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290.23 289.29 288.29 287.15 285.94 284.62 283.23 281.7 280.13 278.47 276.68
274.81 272.88 270.84 268.72 266.53 264.24 261.84 259.41 256.86 254.25
251.56
248.77 245.92 243.01 240.02 237 233.87 230.69 227.4 224.11 220.76 217.29
213.8 210.25 206.6 202.97 199.31 195.56 191.76 187.93 184.05 180.16 176.24
172.33 168.37 164.39 160.39 156.43 152.45 148.52 144.5 140.55 136.57 132.62
128.68 124.83 120.93 117.06 113.23 109.43 105.67 101.96 98.32 94.67 91.06
87.56 84.12 80.71 77.39 74.15 70.92 67.8 64.77 61.81 58.91 56.13 53.39
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48.21 45.79 43.38 41.11 38.91 36.79 34.79 32.85 31 29.23 27.54 25.95 24.42
23.02 21.64 20.31 18.47 16.94 15.51 14.32 13.65 12.78 11.88 11.11 10.25
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9.2 8.79 8.35 7.94 7.6 7.26 6.99 6.73 6.44 6.2 6 5.82 5.63 5.47 5.33 5.18
5.01 4.86 4.73 4.58 4.46 4.16 4.11 4.03 3.9 3.72 3.58 3.45 3.31 3.15 3 2.9
2.75 2.59 2.5 2.42 2.28 2.22 2.16 2.11 2.02 1.98 1.93 1.87 1.81 1.76 1.71

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