

PHILIPS

PHILIPS

Day-Brite

CFI

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSSEZ440L840-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
TEST] FO37445.PSO
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 11/05/16
[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI
[LUMCAT] FSSEZ440L840-UNV
[LUMINAIRE] 4' FLUXSTREAM STRIP EZ
[MORE] Blinc 4.44L6 4000K BOARD
[LAMP] LED. LUMINAIRE OUTPUT = 3653 LUMENS
[TESTDATE] 11/05/16
[_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3653
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	32.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.70 ft
Luminous Width (90-270)	0.19 ft
Luminous Height	0.08 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13707	11958	11905
55	12754	10817	11115
65	10675	9122	10361
75	8488	8260	9143
85	4081	7810	8995

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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>	<u>202.5</u>
0.0	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5	1035.1	1046.9	1048.7	1055.1	1055.6	1055.1	1048.7	1046.9	1035.1	1046.9
5.0	1031.2	1043.1	1044.6	1052.3	1053.3	1052.3	1044.6	1043.1	1031.2	1043.1
7.5	1024.5	1036.2	1038.8	1046.9	1049.0	1046.9	1038.8	1036.2	1024.5	1036.2
10.0	1015.5	1027.3	1032.0	1040.4	1044.1	1040.4	1032.0	1027.3	1015.5	1027.3
12.5	1003.2	1015.3	1022.5	1032.1	1035.0	1032.1	1022.5	1015.3	1003.2	1015.3
15.0	988.6	1000.7	1010.3	1021.9	1025.3	1021.9	1010.3	1000.7	988.6	1000.7
17.5	971.0	983.4	995.2	1010.4	1013.5	1010.4	995.2	983.4	971.0	983.4
20.0	950.7	964.0	978.0	996.0	999.9	996.0	978.0	964.0	950.7	964.0
22.5	928.9	943.2	959.1	978.2	984.4	978.2	959.1	943.2	928.9	943.2
25.0	904.4	919.9	937.6	958.6	966.5	958.6	937.6	919.9	904.4	919.9
27.5	879.0	893.6	915.4	937.8	945.7	937.8	915.4	893.6	879.0	893.6
30.0	854.3	867.4	891.4	916.8	923.4	916.8	891.4	867.4	854.3	867.4
32.5	819.2	843.4	865.1	892.5	903.7	892.5	865.1	843.4	819.2	843.4
35.0	786.2	811.2	837.1	869.1	881.4	869.1	837.1	811.2	786.2	811.2
37.5	753.1	775.1	808.3	843.4	858.0	843.4	808.3	775.1	753.1	775.1
40.0	719.1	741.3	780.5	818.1	833.0	818.1	780.5	741.3	719.1	741.3
42.5	683.9	706.7	754.2	792.5	806.7	792.5	754.2	706.7	683.9	706.7
45.0	647.3	671.4	725.8	765.4	782.0	765.4	725.8	671.4	647.3	671.4
47.5	609.5	635.4	694.3	736.9	755.1	736.9	694.3	635.4	609.5	635.4
50.0	571.2	599.0	658.3	706.9	726.6	706.9	658.3	599.0	571.2	599.0
52.5	532.5	560.8	621.4	676.2	697.2	676.2	621.4	560.8	532.5	560.8
55.0	493.0	521.8	586.9	645.1	667.4	645.1	586.9	521.8	493.0	521.8
57.5	423.0	483.8	552.7	613.5	637.0	613.5	552.7	483.8	423.0	483.8
60.0	385.3	415.7	518.8	582.3	606.4	582.3	518.8	415.7	385.3	415.7
62.5	346.8	379.9	485.0	551.3	576.0	551.3	485.0	379.9	346.8	379.9
65.0	308.6	344.7	421.2	519.7	544.7	519.7	421.2	344.7	308.6	344.7
67.5	270.2	310.0	391.1	488.7	513.9	488.7	391.1	310.0	270.2	310.0
70.0	231.5	276.0	361.0	428.1	469.2	428.1	361.0	276.0	231.5	276.0
72.5	192.9	242.6	331.4	400.6	440.7	400.6	331.4	242.6	192.9	242.6
75.0	155.2	210.4	303.0	373.6	397.8	373.6	303.0	210.4	155.2	210.4
77.5	119.3	179.9	275.8	347.2	371.2	347.2	275.8	179.9	119.3	179.9
80.0	85.5	152.0	250.6	321.8	345.4	321.8	250.6	152.0	85.5	152.0
82.5	55.0	126.9	226.2	297.5	321.1	297.5	226.2	126.9	55.0	126.9
85.0	29.0	104.5	203.7	274.9	297.9	274.9	203.7	104.5	29.0	104.5
87.5	9.5	84.8	182.9	252.6	275.2	252.6	182.9	84.8	9.5	84.8
90.0	0.7	68.1	163.1	231.1	253.2	231.1	163.1	68.1	0.7	68.1
92.5	0.2	54.3	144.9	210.8	232.5	210.8	144.9	54.3	0.2	54.3
95.0	0.1	43.6	128.6	192.3	213.4	192.3	128.6	43.6	0.1	43.6
97.5	0.1	35.0	113.6	174.7	195.1	174.7	113.6	35.0	0.1	35.0
100.0	0.1	28.3	100.3	158.2	177.8	158.2	100.3	28.3	0.1	28.3
102.5	0.1	23.0	88.1	143.1	161.6	143.1	88.1	23.0	0.1	23.0
105.0	0.0	18.3	77.1	128.9	146.5	128.9	77.1	18.3	0.0	18.3
107.5	0.0	13.1	67.5	116.0	132.4	116.0	67.5	13.1	0.0	13.1
110.0	0.0	10.6	59.1	103.7	119.2	103.7	59.1	10.6	0.0	10.6
112.5	0.1	9.0	51.6	92.4	107.0	92.4	51.6	9.0	0.1	9.0
115.0	0.0	8.0	43.2	82.1	95.7	82.1	43.2	8.0	0.0	8.0
117.5	0.0	7.4	34.5	72.8	85.3	72.8	34.5	7.4	0.0	7.4
120.0	0.0	6.9	26.5	63.8	75.5	63.8	26.5	6.9	0.0	6.9
122.5	0.1	6.4	21.1	54.8	65.7	54.8	21.1	6.4	0.1	6.4
125.0	0.1	6.0	18.3	44.9	56.0	44.9	18.3	6.0	0.1	6.0
127.5	0.1	5.7	16.1	36.8	46.4	36.8	16.1	5.7	0.1	5.7
130.0	0.1	5.4	14.3	29.1	39.2	29.1	14.3	5.4	0.1	5.4
132.5	0.2	5.0	13.0	24.5	31.8	24.5	13.0	5.0	0.2	5.0

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135.0	0.2	4.6	11.9	20.9	27.8	20.9	11.9	4.6	0.2	4.6
137.5	0.2	4.3	11.1	18.2	24.4	18.2	11.1	4.3	0.2	4.3
140.0	0.3	4.2	10.3	16.3	21.5	16.3	10.3	4.2	0.3	4.2
142.5	0.4	3.9	9.7	14.6	19.4	14.6	9.7	3.9	0.4	3.9
145.0	0.6	3.6	9.0	13.0	17.7	13.0	9.0	3.6	0.6	3.6
147.5	0.7	3.2	8.3	11.5	16.0	11.5	8.3	3.2	0.7	3.2
150.0	0.8	3.0	7.7	10.1	14.4	10.1	7.7	3.0	0.8	3.0
152.5	0.9	2.8	6.9	9.0	12.8	9.0	6.9	2.8	0.9	2.8
155.0	1.1	2.4	6.1	7.9	10.3	7.9	6.1	2.4	1.1	2.4
157.5	1.0	2.2	5.2	6.8	7.9	6.8	5.2	2.2	1.0	2.2
160.0	1.2	2.1	4.6	5.8	6.6	5.8	4.6	2.1	1.2	2.1
162.5	1.4	1.8	3.7	4.7	5.5	4.7	3.7	1.8	1.4	1.8
165.0	1.4	1.6	3.0	3.7	4.5	3.7	3.0	1.6	1.4	1.6
167.5	1.2	1.3	2.3	2.8	3.0	2.8	2.3	1.3	1.2	1.3
170.0	1.2	1.2	1.6	2.0	1.8	2.0	1.6	1.2	1.2	1.2
172.5	1.3	1.2	1.2	1.4	1.2	1.4	1.2	1.2	1.3	1.2
175.0	1.2	1.1	1.2	1.2	1.0	1.2	1.2	1.1	1.2	1.1
177.5	1.3	1.3	1.3	1.3	0.9	1.3	1.3	1.3	1.3	1.3
180.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5	1048.7	1055.1	1055.6	1055.1	1048.7	1046.9	1035.1
5.0	1044.6	1052.3	1053.3	1052.3	1044.6	1043.1	1031.2
7.5	1038.8	1046.9	1049.0	1046.9	1038.8	1036.2	1024.5
10.0	1032.0	1040.4	1044.1	1040.4	1032.0	1027.3	1015.5
12.5	1022.5	1032.1	1035.0	1032.1	1022.5	1015.3	1003.2
15.0	1010.3	1021.9	1025.3	1021.9	1010.3	1000.7	988.6
17.5	995.2	1010.4	1013.5	1010.4	995.2	983.4	971.0
20.0	978.0	996.0	999.9	996.0	978.0	964.0	950.7
22.5	959.1	978.2	984.4	978.2	959.1	943.2	928.9
25.0	937.6	958.6	966.5	958.6	937.6	919.9	904.4
27.5	915.4	937.8	945.7	937.8	915.4	893.6	879.0
30.0	891.4	916.8	923.4	916.8	891.4	867.4	854.3
32.5	865.1	892.5	903.7	892.5	865.1	843.4	819.2
35.0	837.1	869.1	881.4	869.1	837.1	811.2	786.2
37.5	808.3	843.4	858.0	843.4	808.3	775.1	753.1
40.0	780.5	818.1	833.0	818.1	780.5	741.3	719.1
42.5	754.2	792.5	806.7	792.5	754.2	706.7	683.9
45.0	725.8	765.4	782.0	765.4	725.8	671.4	647.3
47.5	694.3	736.9	755.1	736.9	694.3	635.4	609.5
50.0	658.3	706.9	726.6	706.9	658.3	599.0	571.2
52.5	621.4	676.2	697.2	676.2	621.4	560.8	532.5
55.0	586.9	645.1	667.4	645.1	586.9	521.8	493.0
57.5	552.7	613.5	637.0	613.5	552.7	483.8	423.0
60.0	518.8	582.3	606.4	582.3	518.8	415.7	385.3
62.5	485.0	551.3	576.0	551.3	485.0	379.9	346.8
65.0	421.2	519.7	544.7	519.7	421.2	344.7	308.6
67.5	391.1	488.7	513.9	488.7	391.1	310.0	270.2
70.0	361.0	428.1	469.2	428.1	361.0	276.0	231.5
72.5	331.4	400.6	440.7	400.6	331.4	242.6	192.9
75.0	303.0	373.6	397.8	373.6	303.0	210.4	155.2
77.5	275.8	347.2	371.2	347.2	275.8	179.9	119.3
80.0	250.6	321.8	345.4	321.8	250.6	152.0	85.5

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82.5	226.2	297.5	321.1	297.5	226.2	126.9	55.0
85.0	203.7	274.9	297.9	274.9	203.7	104.5	29.0
87.5	182.9	252.6	275.2	252.6	182.9	84.8	9.5
90.0	163.1	231.1	253.2	231.1	163.1	68.1	0.7
92.5	144.9	210.8	232.5	210.8	144.9	54.3	0.2
95.0	128.6	192.3	213.4	192.3	128.6	43.6	0.1
97.5	113.6	174.7	195.1	174.7	113.6	35.0	0.1
100.0	100.3	158.2	177.8	158.2	100.3	28.3	0.1
102.5	88.1	143.1	161.6	143.1	88.1	23.0	0.1
105.0	77.1	128.9	146.5	128.9	77.1	18.3	0.0
107.5	67.5	116.0	132.4	116.0	67.5	13.1	0.0
110.0	59.1	103.7	119.2	103.7	59.1	10.6	0.0
112.5	51.6	92.4	107.0	92.4	51.6	9.0	0.1
115.0	43.2	82.1	95.7	82.1	43.2	8.0	0.0
117.5	34.5	72.8	85.3	72.8	34.5	7.4	0.0
120.0	26.5	63.8	75.5	63.8	26.5	6.9	0.0
122.5	21.1	54.8	65.7	54.8	21.1	6.4	0.1
125.0	18.3	44.9	56.0	44.9	18.3	6.0	0.1
127.5	16.1	36.8	46.4	36.8	16.1	5.7	0.1
130.0	14.3	29.1	39.2	29.1	14.3	5.4	0.1
132.5	13.0	24.5	31.8	24.5	13.0	5.0	0.2
135.0	11.9	20.9	27.8	20.9	11.9	4.6	0.2
137.5	11.1	18.2	24.4	18.2	11.1	4.3	0.2
140.0	10.3	16.3	21.5	16.3	10.3	4.2	0.3
142.5	9.7	14.6	19.4	14.6	9.7	3.9	0.4
145.0	9.0	13.0	17.7	13.0	9.0	3.6	0.6
147.5	8.3	11.5	16.0	11.5	8.3	3.2	0.7
150.0	7.7	10.1	14.4	10.1	7.7	3.0	0.8
152.5	6.9	9.0	12.8	9.0	6.9	2.8	0.9
155.0	6.1	7.9	10.3	7.9	6.1	2.4	1.1
157.5	5.2	6.8	7.9	6.8	5.2	2.2	1.0
160.0	4.6	5.8	6.6	5.8	4.6	2.1	1.2
162.5	3.7	4.7	5.5	4.7	3.7	1.8	1.4
165.0	3.0	3.7	4.5	3.7	3.0	1.6	1.4
167.5	2.3	2.8	3.0	2.8	2.3	1.3	1.2
170.0	1.6	2.0	1.8	2.0	1.6	1.2	1.2
172.5	1.2	1.4	1.2	1.4	1.2	1.2	1.3
175.0	1.2	1.2	1.0	1.2	1.2	1.1	1.2
177.5	1.3	1.3	0.9	1.3	1.3	1.3	1.3
180.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	384.39	N.A.	10.50
0-30	816.75	N.A.	22.40
0-40	1340.94	N.A.	36.70
0-60	2415.94	N.A.	66.10
0-80	3151.21	N.A.	86.30
0-90	3356.51	N.A.	91.90
10-90	3257.14	N.A.	89.20
20-40	956.55	N.A.	26.20
20-50	1511.34	N.A.	41.40
40-70	1501.25	N.A.	41.10
60-80	735.26	N.A.	20.10
70-80	309.02	N.A.	8.50
80-90	205.30	N.A.	5.60
90-110	209.17	N.A.	5.70
90-120	254.55	N.A.	7.00
90-130	276.90	N.A.	7.60
90-150	292.68	N.A.	8.00
90-180	296.24	N.A.	8.10
110-180	87.08	N.A.	2.40
0-180	3652.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.37
10-20	285.02
20-30	432.36
30-40	524.19
40-50	554.79
50-60	520.21
60-70	426.24
70-80	309.02
80-90	205.30
90-100	129.70
100-110	79.47
110-120	45.38
120-130	22.35
130-140	10.28
140-150	5.51
150-160	2.61
160-170	0.83
170-180	0.12

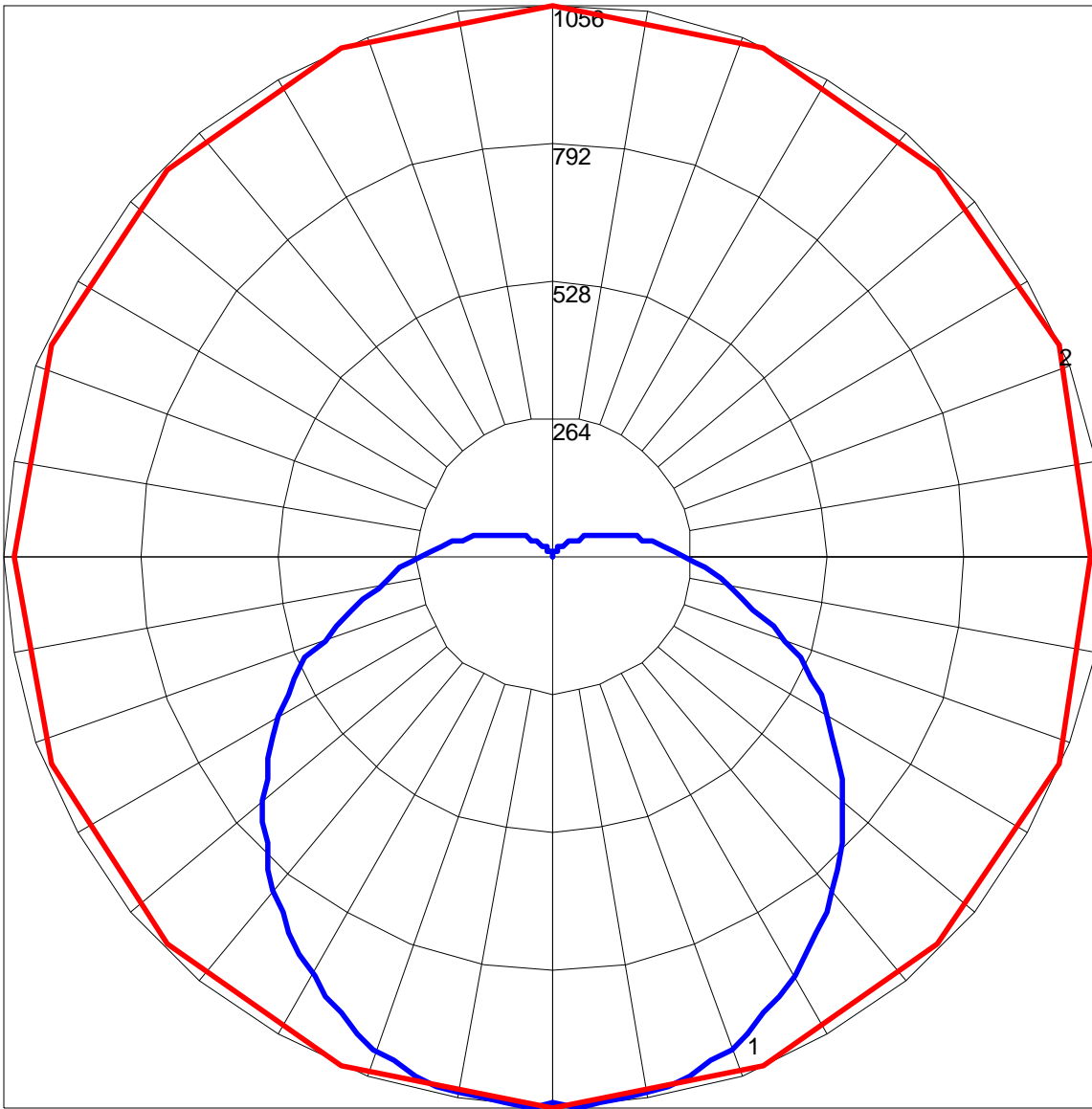
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	105	99	94	90	101	96	92	88	91	87	83	85	82	79	80	78	76	73
2	95	86	78	72	91	83	76	71	78	73	68	74	69	65	69	66	62	59
3	86	75	66	59	83	73	65	58	68	62	56	65	59	54	61	56	52	49
4	79	66	57	50	76	64	56	49	61	53	47	57	51	46	54	49	44	42
5	72	59	49	43	69	57	48	42	54	47	41	51	45	40	49	43	38	36
6	67	53	44	37	64	51	43	36	49	41	35	46	40	35	44	38	34	31
7	62	48	39	32	59	47	38	32	44	37	31	42	35	31	40	34	30	28
8	57	44	35	29	55	42	34	29	40	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	24	34	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	27	22	32	26	22	20

POLAR GRAPH



Maximum Candela = 1055.6 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)