

PHILIPS

LIGHTOLIER

IES INDOOR REPORT

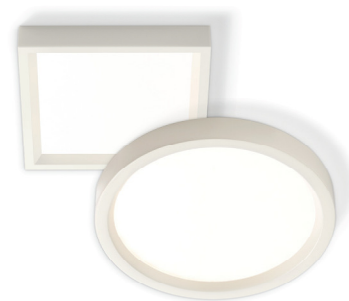
PHOTOMETRIC FILENAME : S6S830K10.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 435GFR
[TESTLAB] PHILIPS FALL RIVER
[ISSUEDATE] 06-AUG-2014
[MANUFAC] PHILIPS LIGHTOLIER
[LUMCAT] S6S830K10
[LUMINAIRE] PHILIPS SLIMSURFACE SQUARE DOWNLIGHT
[OTHER] LUMINAIRE LUMENS = 981

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	981
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	14.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.48 ft
Luminous Width (90-270)	0.48 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16127	16238	15802
55	9590	9507	9335
65	6992	6891	6898
75	6453	6243	6359
85	5283	4796	5113

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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>
0.0	455.184	455.184	455.184	455.184	455.184
2.5	454.350	454.500	454.110	453.940	453.970
5.0	451.450	451.320	450.900	450.830	450.760
7.5	447.590	447.540	446.830	446.640	446.370
10.0	444.610	444.350	443.710	443.620	443.380
12.5	441.850	441.850	441.030	440.670	440.230
15.0	438.970	438.430	437.980	437.410	436.310
17.5	435.250	435.070	434.610	433.950	432.230
20.0	428.830	430.420	428.490	427.930	427.160
22.5	420.210	421.290	419.850	418.530	418.450
25.0	412.220	412.580	411.250	409.690	408.870
27.5	404.080	404.530	403.110	401.000	399.750
30.0	392.950	393.560	392.390	389.530	388.040
32.5	379.550	380.500	379.430	375.950	373.960
35.0	365.280	366.850	365.510	362.620	359.230
37.5	347.200	350.130	348.920	346.120	343.420
40.0	321.470	324.150	324.410	321.000	318.770
42.5	284.290	286.140	287.090	283.290	281.300
45.0	239.260	239.910	240.900	236.960	234.440
47.5	196.080	197.840	196.440	192.370	189.680
50.0	166.120	167.170	166.820	164.150	161.100
52.5	137.530	137.140	137.400	135.930	134.390
55.0	115.410	114.520	114.410	114.230	112.340
57.5	98.020	97.600	96.790	97.630	96.280
60.0	83.320	83.270	82.200	82.460	81.150
62.5	72.290	71.890	71.200	71.430	70.170
65.0	62.000	61.210	61.100	61.150	61.160
67.5	53.500	53.170	52.400	52.570	52.130
70.0	47.330	46.720	46.110	46.480	46.000
72.5	41.290	40.620	40.230	40.580	40.340
75.0	35.040	34.290	33.900	34.310	34.530
77.5	28.920	28.050	27.720	27.970	27.900
80.0	22.950	22.250	21.760	22.000	22.190
82.5	16.530	15.570	15.380	15.530	15.880
85.0	9.660	9.210	8.770	8.760	9.350
87.5	1.690	1.650	1.490	1.360	1.490
90.0	0.110	0.110	0.000	0.100	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	166.59	N.A.	17.00
0-30	356.29	N.A.	36.30
0-40	582.74	N.A.	59.40
0-60	872.49	N.A.	89.00
0-80	970.49	N.A.	99.00
0-90	980.65	N.A.	100.00
10-90	937.84	N.A.	95.60
20-40	416.15	N.A.	42.40
20-50	600.70	N.A.	61.30
40-70	351.55	N.A.	35.80
60-80	98.00	N.A.	10.00
70-80	36.20	N.A.	3.70
80-90	10.16	N.A.	1.00
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	980.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.81
10-20	123.78
20-30	189.69
30-40	226.45
40-50	184.55
50-60	105.20
60-70	61.80
70-80	36.20
80-90	10.16
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

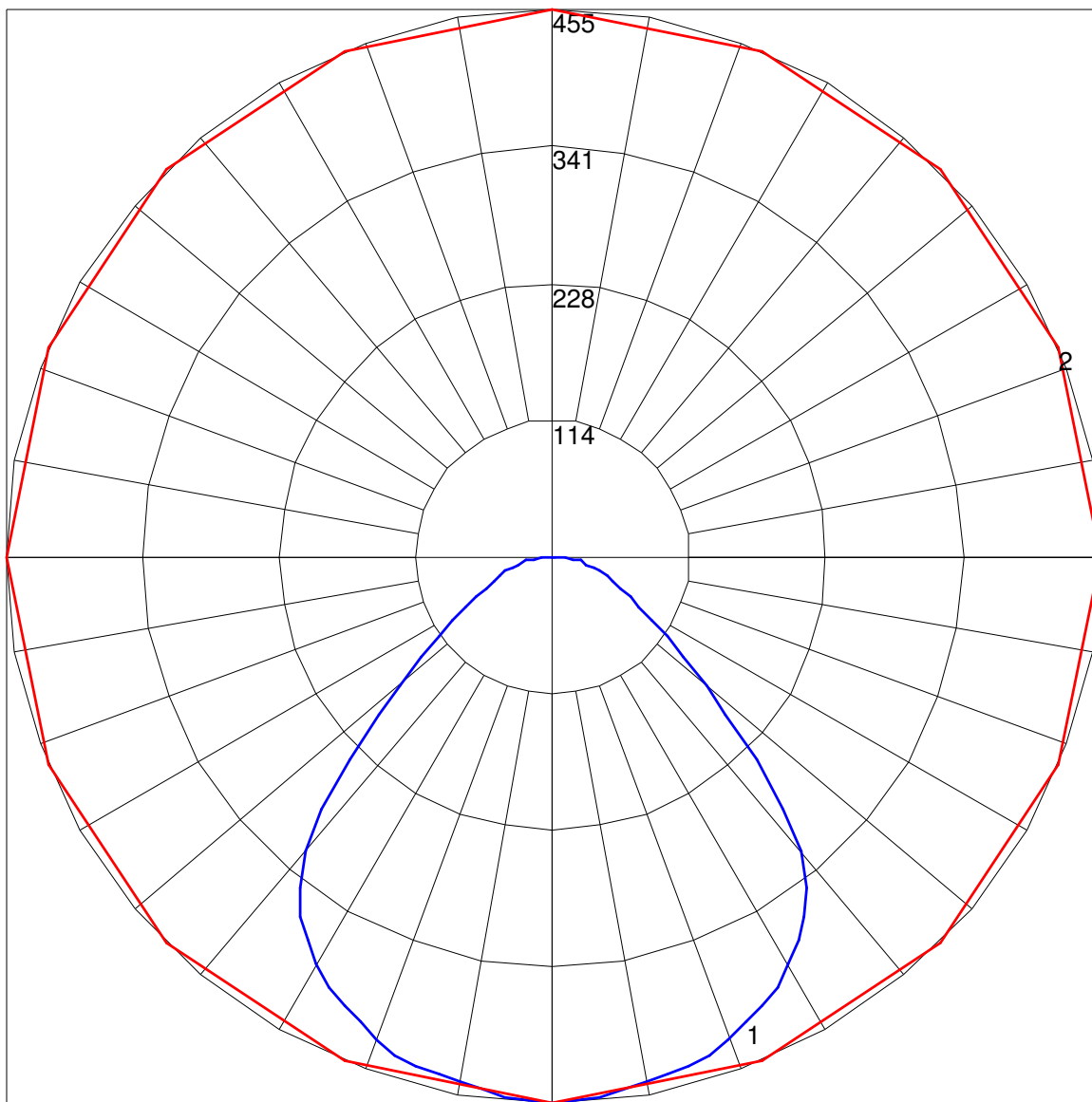
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31

POLAR GRAPH



Maximum Candela = 455.184 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)