Day-Brite
CFI
by signify

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FBZ30L840-UNV-W-LCA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO43718P4
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 2/23/2022
[MANUFAC] DAY-BRITE by SIGNIFY
[LUMCAT] FBZ30L840-UNV-W-LCA
[LUMINAIRE] FBZ 2-3LINEP 2.130L20 4000K 80CRI BOARDS, XI-190W-BSG2 DRIVER @1.960A, WIDE OPTIC, CLEAR LENS
[_ORIG] ORIGINAL TEST 43718
[TESTDATE] 2/23/2022

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28707
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	192.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.62
Spacing Criterion (90-270)	1.78
Spacing Criterion (Diagonal)	1.88
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.80 ft
Luminous Width (90-270)	1.38 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	47523	64201	56915
55	43953	63760	19535
65	26995	19427	8726
75	13985	10082	5912
85	5160	4573	2779

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	8262.122	8262.122	8262.122	8262.122	8262.122
2.5	8296.153	8276.735	8250.568	8261.739	8254.070
5.0	8301.476	8276.630	8268.524	8293.238	8289.832
7.5	8305.695	8290.690	8303.866	8334.761	8334.612
10.0	8305.415	8316.166	8335.006	8372.510	8396.638
12.5	8309.005	8342.876	8362.906	8430.229	8480.156
15.0	8332.878	8375.049	8411.039	8500.957	8560.041
17.5	8376.056	8414.979	8476.707	8569.698	8642.623
20.0	8434.930	8477.687	8542.454	8669.009	8763.690
22.5	8528.324	8567.124	8626.751	8804.390	8870.233
25.0	8639.401	8689.442	8756.187	8916.115	8967.014
27.5	8776.463	8843.312	8933.589	9040.123	9144.250
30.0	8915.931	9010.647	9121.147	9219.644	9361.363
32.5	9006.261	9158.835	9296.422	9429.062	9553.919
35.0	9025.381	9262.682	9536.174	9643.364	9712.429
37.5	8910.171	9301.858	9840.219	9849.166	9857.536
40.0	8654.109	9227.313	10123.613	10006.573	9906.780
42.5	8261.695	9012.153	10342.573	10057.709	9771.303
45.0	7762.055	8655.851	10486.174	9906.955	9296.089
47.5	7268.141	8162.979	10468.638	9374.188	8276.630
50.0	6791.666	7593.951	10191.163	8254.508	6497.513
52.5	6312.136	7005.058	9566.499	6391.968	4313.752
55.0	5823.334	6424.623	8447.537	4198.306	2588.213
57.5	5165.097	5918.023	6794.476	2542.777	1665.236
60.0	4277.788	5451.537	4722.318	1651.409	1215.888
62.5	3389.841	4911.092	2967.687	1208.061	987.182
65.0	2635.277	4153.579	1896.437	973.066	851.823
67.5	2029.331	3190.780	1318.528	825.902	741.136
70.0	1542.487	2323.361	991.484	695.600	624.940
72.5	1153.851	1633.778	776.247	567.552	508.013
75.0	836.068	1127.726	602.746	423.918	353.472
77.5	572.530	762.273	443.115	275.893	229.203
80.0	362.500	498.362	278.629	179.178	149.825
82.5	207.579	308.808	167.655	108.241	92.142
85.0	103.881	160.914	92.066	64.246	55.954
87.5	39.917	63.885	46.728	36.503	31.448
90.0	7.571	20.860	22.063	20.433	18.575
92.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3188.9	N.A.	11.10
0-30	7276.13	N.A.	25.30
0-40	13208.32	N.A.	46.00
0-60	25552.9	N.A.	89.00
0-80	28571.21	N.A.	99.50
0-90	28704.4	N.A.	100.00
10-90	27911.68	N.A.	97.20
20-40	10019.42	N.A.	34.90
20-50	17141.29	N.A.	59.70
40-70	14600.13	N.A.	50.90
60-80	3018.3	N.A.	10.50
70-80	762.76	N.A.	2.70
80-90	133.20	N.A.	0.50
90-110	2.62	N.A.	0.00
90-120	2.62	N.A.	0.00
90-130	2.62	N.A.	0.00
90-150	2.62	N.A.	0.00
90-180	2.62	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	28707.02	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	792.72
10-20	2396.17
20-30	4087.23
30-40	5932.19
40-50	7121.87
50-60	5222.72
60-70	2255.54
70-80	762.76
80-90	133.20
90-100	2.62
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	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

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UGR TABLE - CORRECTED

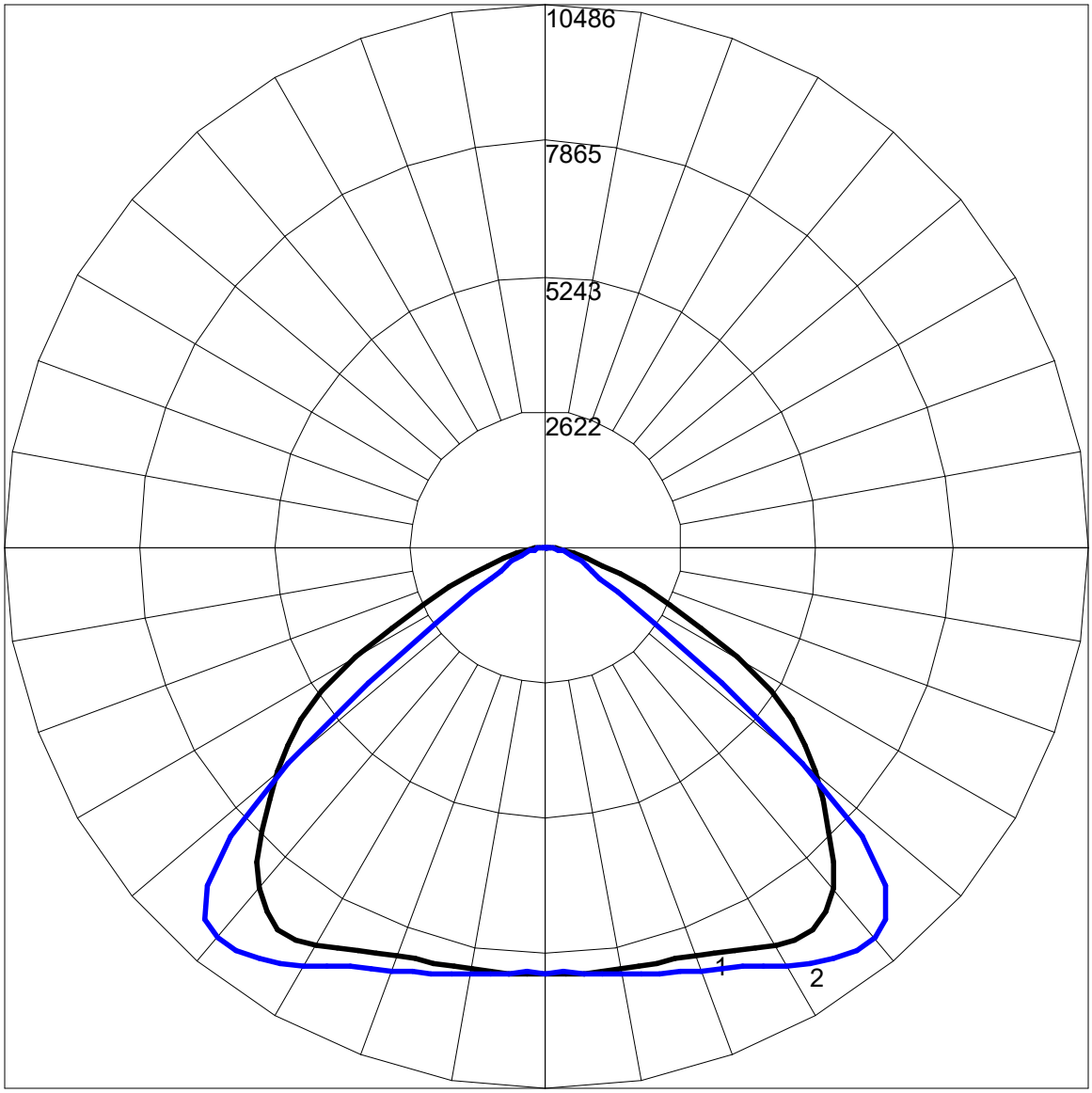
Reflectances											
Ceiling Cavity		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor Cavity		20	20	20	20	20	20	20	20	20	20
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	26.3	27.9	26.6	28.2	28.5	20.0	21.6	20.4	21.9	22.2
	3H	27.1	28.5	27.5	28.9	29.2	20.5	21.9	20.9	22.2	22.6
	4H	27.3	28.6	27.7	28.9	29.3	20.6	22.0	21.0	22.3	22.7
	6H	27.3	28.5	27.7	28.9	29.3	20.7	21.9	21.1	22.3	22.7
	8H	27.3	28.5	27.7	28.8	29.2	20.7	21.8	21.1	22.2	22.6
	12H	27.3	28.4	27.7	28.8	29.2	20.7	21.8	21.1	22.2	22.6
4H	2H	26.3	27.6	26.7	28.0	28.4	20.9	22.2	21.3	22.5	22.9
	3H	27.3	28.4	27.8	28.8	29.2	21.5	22.6	21.9	23.0	23.4
	4H	27.6	28.6	28.0	29.0	29.4	21.7	22.7	22.1	23.1	23.5
	6H	27.7	28.5	28.1	29.0	29.4	21.8	22.6	22.2	23.0	23.5
	8H	27.7	28.5	28.1	28.9	29.4	21.7	22.5	22.2	23.0	23.4
	12H	27.7	28.4	28.2	28.9	29.3	21.7	22.4	22.2	22.9	23.4
8H	4H	27.5	28.3	28.0	28.8	29.2	22.0	22.8	22.5	23.3	23.7
	6H	27.7	28.3	28.2	28.8	29.3	22.1	22.8	22.6	23.3	23.7
	8H	27.7	28.3	28.2	28.8	29.3	22.1	22.7	22.6	23.2	23.7
	12H	27.7	28.2	28.2	28.7	29.3	22.1	22.6	22.6	23.1	23.7
12H	4H	27.5	28.2	28.0	28.7	29.2	22.0	22.8	22.5	23.2	23.7
	6H	27.6	28.2	28.1	28.7	29.2	22.1	22.7	22.7	23.2	23.7
	8H	27.6	28.2	28.2	28.7	29.2	22.1	22.7	22.7	23.2	23.7

Maximum UGR = 29.4

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POLAR GRAPH



Maximum Candela = 10486.174 Located At Horizontal Angle = 45, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

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