

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DN130B D165 1XLED10S_830.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LVA1605014
 [TESTLAB]
 [MANUFAC] PHILIPS
 [LUMCAT]
 [LUMINAIRE] DN130B D165 WB LED10S/830 NO
 [LAMP] LED10S/830
 [BALLAST] -
 [ISSUEDATE] 2016-05-06
 [OTHER] B-Angle = 0.00 B-Tilt = 0.00 2019-06-21

CHARACTERISTICS

Lumens Per Lamp	1250 (1 lamp)
Total Lamp Lumens	1250
Luminaire Lumens	1147
Total Luminaire Efficiency	92 %
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	11.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.09 m (Diameter)
Luminous Width (90-270)	0.09 m (Diameter)
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	67070	67070	67070
55	46180	46180	46180
65	24418	24418	24418
75	19970	19970	19970
85	17480	17480	17480

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CANDELA TABULATION

	<u>0</u>
0	564.35
1	564.10
2	563.62
3	563.01
4	562.15
5	561.06
6	559.71
7	558.01
8	556.06
9	553.62
10	551.06
11	548.13
12	544.84
13	541.18
14	537.28
15	533.14
16	528.63
17	523.75
18	518.75
19	513.63
20	508.14
21	502.41
22	496.44
23	490.47
24	484.13
25	477.54
26	470.84
27	464.01
28	457.18
29	450.11
30	442.55
31	434.51
32	425.85
33	416.95
34	407.69
35	398.30
36	388.42
37	378.55
38	368.31
39	357.70
40	346.85
41	335.76
42	324.54
43	312.96
44	300.89
45	288.57
46	275.89
47	263.46
48	251.02
49	238.47
50	225.67
51	212.99
52	200.06
53	187.02
54	173.85
55	161.17
56	148.98
57	137.40

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CANDELA TABULATION - (Cont.)

58	126.06
59	114.97
60	104.36
61	94.48
62	85.46
63	76.93
64	69.37
65	62.79
66	57.18
67	52.42
68	48.40
69	44.74
70	41.57
71	39.01
72	36.94
73	35.11
74	33.28
75	31.45
76	29.38
77	27.31
78	25.11
79	22.92
80	20.73
81	18.41
82	16.09
83	13.90
84	11.58
85	9.27
86	6.83
87	4.51
88	2.56
89	1.34
90	0.49
91	0.12
180	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	203.36	16.30	17.70
0-30	423.14	33.90	36.90
0-40	671.35	53.70	58.50
0-60	1037.77	83.00	90.50
0-80	1136.22	90.90	99.10
0-90	1146.57	91.70	100.00
10-90	1093.33	87.50	95.30
20-40	468.00	37.40	40.80
20-50	689.51	55.20	60.10
40-70	431.98	34.60	37.70
60-80	98.45	7.90	8.60
70-80	32.89	2.60	2.90
80-90	10.35	0.80	0.90
90-110	0.03	0.00	0.00
90-120	0.03	0.00	0.00
90-130	0.03	0.00	0.00
90-150	0.03	0.00	0.00
90-180	0.40	0.00	0.00
110-180	0.37	0.00	0.00
0-180	1146.97	91.80	100.00

Total Luminaire Efficiency = 91.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.24
10-20	150.12
20-30	219.78
30-40	248.22
40-50	221.51
50-60	144.90
60-70	65.57
70-80	32.89
80-90	10.35
90-100	0.03
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	0.37

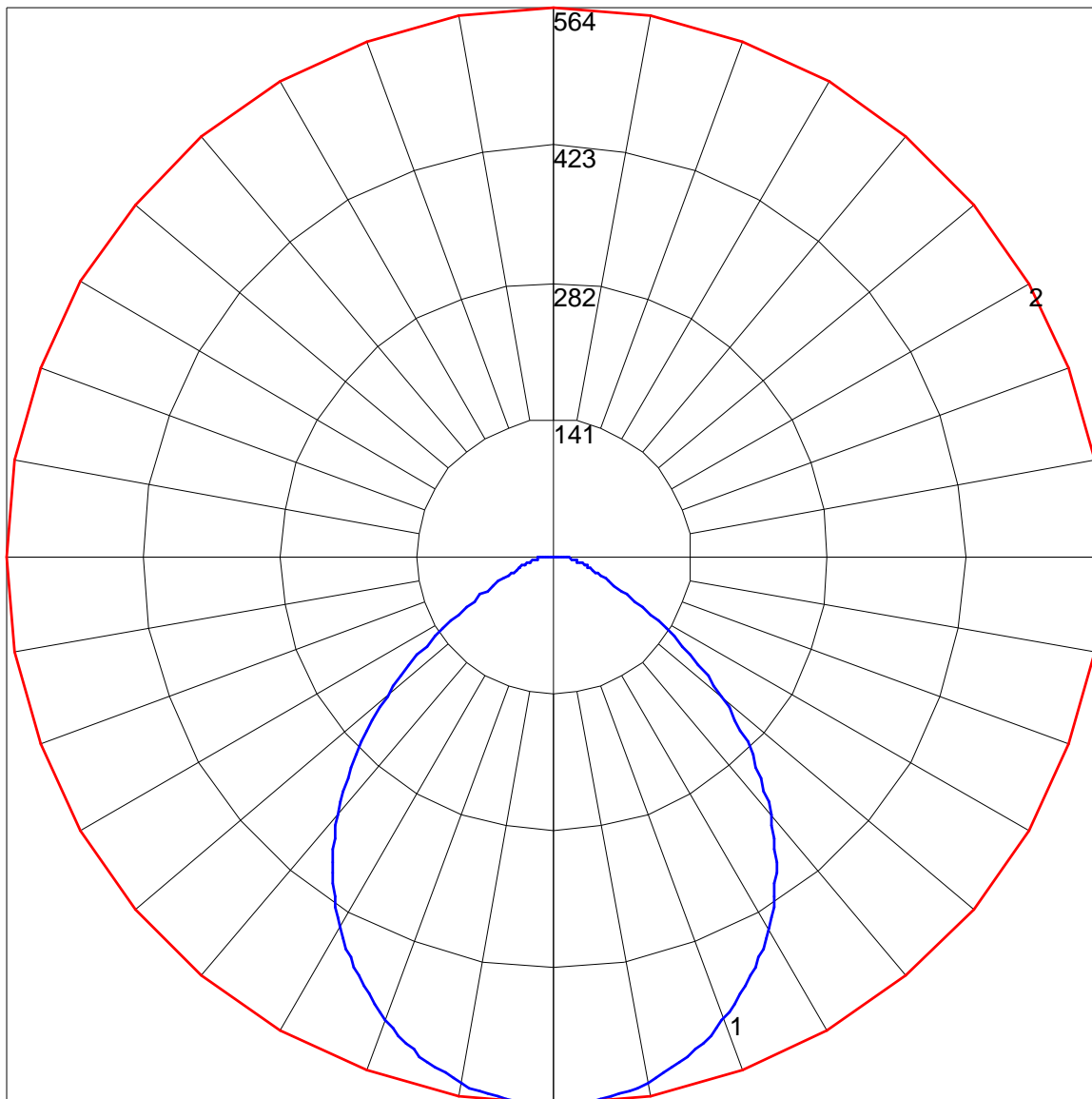
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	109	109	109	107	107	107	107	102	102	102	98	98	98	94	94	94	92
1	102	98	95	92	99	96	93	90	92	90	87	89	87	85	85	84	82	81
2	94	88	82	78	92	86	81	77	83	79	75	80	76	73	77	74	72	70
3	87	78	72	67	85	77	71	66	74	69	65	72	68	64	70	66	63	61
4	80	71	64	58	78	69	63	58	67	62	57	65	60	56	63	59	56	54
5	74	64	57	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48
6	69	58	51	45	68	57	50	45	56	50	45	54	49	45	53	48	44	42
7	64	53	46	41	63	52	46	41	51	45	40	50	44	40	49	44	40	38
8	60	49	42	37	59	48	41	37	47	41	36	46	40	36	45	40	36	34
9	57	45	38	33	55	45	38	33	44	37	33	43	37	33	42	37	33	31
10	53	42	35	31	52	41	35	30	40	34	30	40	34	30	39	34	30	29

POLAR GRAPH



Maximum Candela = 564.35 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.)