

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1008212

Luminaire Tested: S122DIP-B675D925UB2750-4F0-XX-W2A-D_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008212
REPORT IS A COMBINATION OF REPORTS P984675 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B675D925UB2750-4F0-XX-W2A-D_4000K
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

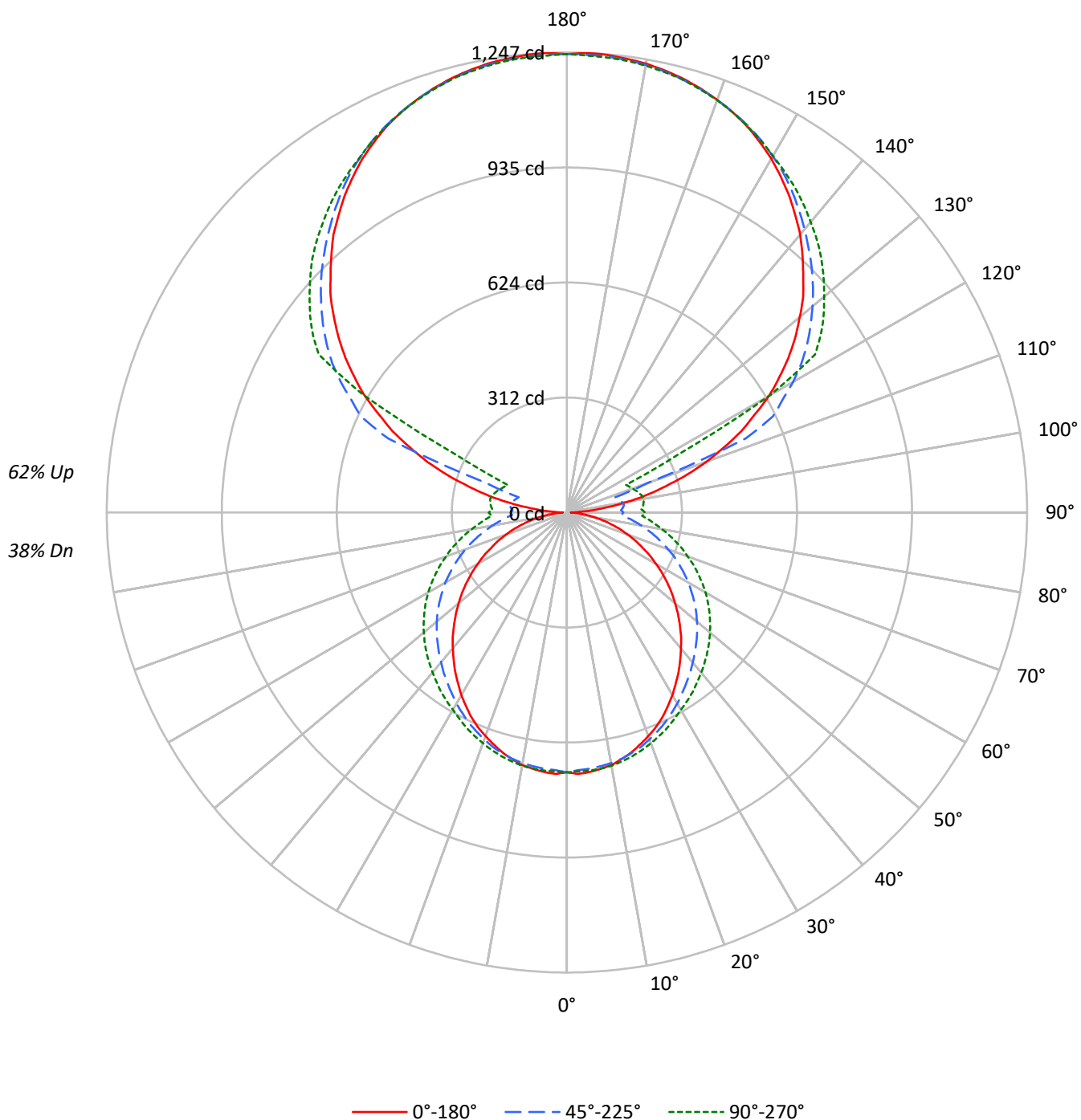
Lumens per Lamp: N/A
Luminaire Lumens: 6332.0 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 64.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45
1	94	89	85	81	85	81	77	74	65	63	60	51	49	48	38	37	36
2	85	77	71	65	77	70	64	60	57	53	49	44	41	39	33	31	29
3	77	67	60	54	70	61	55	49	49	45	41	39	35	32	29	26	24
4	70	59	51	45	63	54	47	41	44	38	34	34	30	27	25	23	21
5	64	53	44	38	58	48	41	35	39	33	29	30	27	23	23	20	18
6	59	47	39	33	53	43	36	30	35	29	25	27	23	20	20	18	15
7	55	42	34	29	49	39	31	26	31	26	22	25	21	18	19	16	14
8	51	38	30	25	46	35	28	23	29	23	19	23	19	16	17	14	12
9	47	35	27	22	42	32	25	21	26	21	17	21	17	14	16	13	11
10	44	32	25	20	40	29	23	18	24	19	15	19	15	13	15	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11147	11147	11147
5°	11197	10672	10612
10°	11122	10301	10152
15°	10965	9919	9680
20°	10767	9518	9232
25°	10573	9134	8827
30°	10297	8743	8425
35°	10020	8366	8130
40°	9729	8041	7836
45°	9450	7745	7580
50°	9152	7473	7328
55°	8839	7184	7072
60°	8454	6883	6801
65°	8055	6537	6491
70°	7600	6165	6156
75°	7021	5793	5842
80°	6108	5405	5514
85°	5184	5040	5232

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9450 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	1.1
10°-20°	191.5	3.0
20°-30°	290.1	4.6
30°-40°	353.3	5.6
40°-50°	380.1	6.0
50°-60°	369.1	5.8
60°-70°	322.4	5.1
70°-80°	248.1	3.9
80°-90°	168.4	2.7
90°-100°	155.6	2.5
100°-110°	236.4	3.7
110°-120°	460.4	7.3
120°-130°	702.7	11.1
130°-140°	726.6	11.5
140°-150°	665.5	10.5
150°-160°	533.3	8.4
160°-170°	343.6	5.4
170°-180°	118.3	1.9
0°-30°	548.3	8.7
0°-40°	901.6	14.2
0°-60°	1650.8	26.1
0°-90°	2389.6	37.7
90°-120°	852.4	13.5
90°-150°	2947.2	46.5
90°-180°	3942.0	62.3
0°-180°	6332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	706	703	697	703	702	67
15°	674	676	676	685	684	190
25°	612	620	629	641	644	282
35°	528	545	564	587	594	330
45°	433	460	496	528	538	334
55°	332	368	422	458	472	297
65°	227	277	337	379	392	225
75°	126	183	248	292	305	133
85°	37	100	165	208	222	39
90°	11	80	153	198	212	10
95°	67	85	152	196	207	76
105°	278	335	143	188	203	298
115°	521	548	616	230	177	513
125°	733	745	794	828	840	654
135°	906	920	938	969	975	700
145°	1049	1048	1064	1076	1077	657
155°	1155	1147	1158	1164	1156	532
165°	1217	1212	1215	1221	1215	344
175°	1245	1239	1241	1247	1238	119
180°	1243	1243	1243	1243	1243	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	704.2	704.2	704.2	704.2	704.2
2.5°	709.3	706.2	699.1	704.2	702.2
5°	706.2	703.2	697.1	703.2	702.2
7.5°	701.1	699.1	694.0	701.1	700.1
10°	695.0	693.0	689.9	698.1	697.1
12.5°	684.8	685.8	683.8	692.0	690.9
15°	673.6	675.6	675.6	684.8	683.8
17.5°	659.3	663.4	666.4	675.6	675.6
20°	645.0	650.1	654.2	665.4	665.4
22.5°	629.7	635.8	641.9	653.2	655.2
25°	612.4	619.5	628.7	640.9	644.0
27.5°	591.9	603.2	613.4	628.7	630.7
30°	571.5	584.8	598.1	614.4	617.5
32.5°	549.1	564.4	580.7	600.1	606.2
35°	527.6	545.0	564.4	586.8	594.0
37.5°	504.2	523.6	548.1	572.5	579.7
40°	480.7	503.1	530.7	557.2	566.4
42.5°	458.2	480.7	513.4	543.0	552.1
45°	432.7	460.3	496.0	527.6	537.8
47.5°	408.2	437.8	478.7	511.3	522.5
50°	382.7	414.4	460.3	495.0	506.2
52.5°	358.2	391.9	440.9	476.6	488.9
55°	331.7	368.4	421.5	458.2	471.5
57.5°	306.2	347.0	400.1	439.9	453.1
60°	278.6	322.5	380.7	419.5	433.7
62.5°	254.1	300.1	358.2	400.1	413.3
65°	226.6	276.6	336.8	378.6	391.9
67.5°	202.1	254.1	315.4	357.2	371.5
70°	175.5	228.6	291.9	335.8	348.0
72.5°	151.0	206.2	270.5	313.3	328.6
75°	125.5	182.7	248.0	291.9	305.2
77.5°	101.0	160.2	226.6	270.5	284.7
80°	76.5	138.8	205.1	248.0	262.3
82.5°	56.1	117.4	184.7	227.6	240.9
85°	36.7	100.0	165.3	208.2	222.5
87.5°	22.5	83.7	149.0	190.8	204.1
90°	11.1	80.2	152.7	198.0	212.1
92.5°	31.7	82.2	147.1	188.7	201.9
95°	66.6	84.9	152.5	195.7	207.1
97.5°	112.3	82.5	156.1	196.6	209.7
100°	166.2	80.9	153.3	198.2	211.2
102.5°	224.6	256.5	147.9	194.6	208.5
105°	278.4	335.0	142.6	188.2	203.0
107.5°	342.3	389.2	137.2	181.8	196.7
110°	402.4	441.7	231.8	174.6	189.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	460.0	492.4	524.2	169.2	183.1
115°	521.1	547.6	616.0	230.4	176.8
117.5°	573.1	599.2	657.4	559.4	334.1
120°	632.5	650.0	707.1	746.3	636.3
122.5°	682.8	698.2	753.9	786.9	797.0
125°	733.0	744.7	794.5	828.3	840.1
127.5°	779.7	791.3	832.4	866.9	877.0
130°	823.8	837.2	868.6	902.9	910.2
132.5°	868.8	879.4	904.6	936.2	943.5
135°	905.5	919.9	938.2	968.7	975.0
137.5°	945.1	955.9	970.0	998.3	1002.8
140°	983.7	989.9	1001.8	1026.3	1027.9
142.5°	1016.1	1021.4	1033.1	1052.5	1053.1
145°	1049.3	1048.4	1063.7	1076.1	1076.7
147.5°	1078.9	1076.2	1091.5	1097.0	1096.5
150°	1107.7	1101.4	1115.8	1121.2	1116.7
152.5°	1132.0	1124.8	1138.3	1143.7	1137.4
155°	1155.4	1147.3	1158.1	1163.5	1156.3
157.5°	1174.2	1167.1	1175.1	1181.4	1174.2
160°	1190.4	1185.0	1190.4	1195.8	1189.5
162.5°	1204.8	1199.4	1203.9	1210.2	1202.1
165°	1217.4	1212.0	1214.7	1221.0	1214.7
167.5°	1227.3	1221.9	1224.6	1230.9	1222.8
170°	1235.4	1230.0	1231.8	1238.1	1230.0
172.5°	1240.8	1235.4	1237.2	1243.5	1235.4
175°	1245.3	1239.0	1240.8	1247.1	1238.1
177.5°	1247.1	1240.8	1241.7	1248.0	1239.9
180°	1242.6	1242.6	1242.6	1242.6	1242.6

(END OF REPORT)