

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: P1008734

Luminaire Tested: S122DIP-B1005D925UB30-4F0-XX-W2A-D1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008734
REPORT IS A COMBINATION OF REPORTS P983786 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B1005D925UB30-4F0-XX-W2A-D1
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

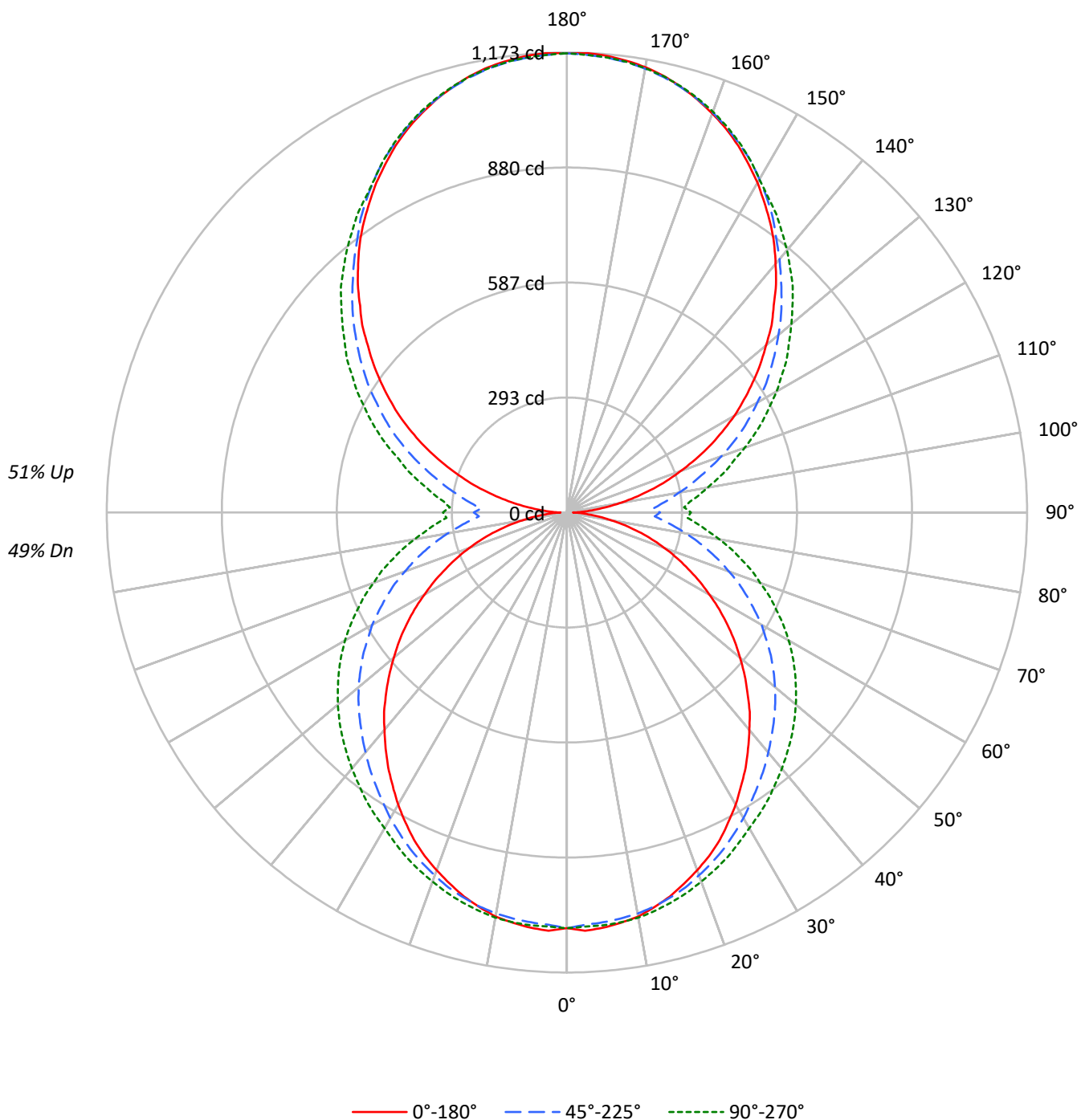
Lumens per Lamp: N/A
Luminaire Lumens: 7321.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 89.8
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

TEST NUMBER: P1008734

CATALOG NUMBER: S122DIP-B1005D925UB30-4F0-XX-W2A-D1

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
RCR																	
0	107	107	107	107	99	99	99	99	83	83	83		68	68	68		55
1	96	91	87	83	88	84	80	77	70	68	65		58	56	54		47
2	87	79	72	66	80	73	67	62	61	56	53		50	47	44		40
3	79	69	61	55	72	63	56	51	53	48	44		44	40	37		35
4	72	61	52	46	66	56	48	43	47	41	37		39	34	31		31
5	66	54	45	39	60	50	42	36	42	36	31		35	30	26		28
6	61	48	40	33	55	44	37	31	38	32	27		31	27	23		25
7	56	43	35	29	51	40	33	27	34	28	24		28	24	20		23
8	52	39	31	26	48	36	29	24	31	25	21		26	21	18		21
9	48	36	28	23	44	33	26	21	28	23	19		24	19	16		19
10	45	33	25	20	41	30	24	19	26	21	17		22	17	14		18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16776	16776	16776
5°	16852	16061	15970
10°	16739	15504	15278
15°	16503	14928	14568
20°	16206	14325	13895
25°	15911	13746	13284
30°	15499	13158	12680
35°	15081	12591	12236
40°	14643	12101	11794
45°	14224	11657	11410
50°	13774	11247	11030
55°	13302	10812	10643
60°	12723	10358	10237
65°	12122	9838	9768
70°	11442	9278	9266
75°	10567	8720	8791
80°	9197	8135	8300
85°	7811	7586	7873

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14224 cd/sqm

TEST NUMBER: P1008734

CATALOG NUMBER: S122DIP-B1005D925UB30-4F0-XX-W2A-D1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	1.4
10°-20°	288.2	3.9
20°-30°	436.6	6.0
30°-40°	531.7	7.3
40°-50°	572.0	7.8
50°-60°	555.5	7.6
60°-70°	485.2	6.6
70°-80°	373.4	5.1
80°-90°	253.4	3.5
90°-100°	245.0	3.3
100°-110°	356.3	4.9
110°-120°	477.2	6.5
120°-130°	564.5	7.7
130°-140°	601.1	8.2
140°-150°	573.7	7.8
150°-160°	478.5	6.5
160°-170°	317.3	4.3
170°-180°	110.9	1.5
0°-30°	825.2	11.3
0°-40°	1356.9	18.5
0°-60°	2484.5	33.9
0°-90°	3596.5	49.1
90°-120°	1078.4	14.7
90°-150°	2817.8	38.5
90°-180°	3724.0	50.9
0°-180°	7321.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1063	1058	1049	1058	1057	101
15°	1014	1017	1017	1031	1029	286
25°	922	932	946	965	969	424
35°	794	820	849	883	894	496
45°	651	693	746	794	810	503
55°	499	554	634	690	710	447
65°	341	416	507	570	590	339
75°	189	275	373	439	459	200
85°	55	150	249	313	335	58
90°	16	117	237	297	316	14
95°	64	146	240	298	315	67
105°	220	268	350	405	422	233
115°	401	424	491	536	550	397
125°	578	587	633	672	685	517
135°	746	756	774	805	814	577
145°	903	910	916	926	930	565
155°	1033	1036	1038	1044	1040	475
165°	1124	1122	1122	1129	1124	317
175°	1169	1166	1164	1171	1165	111
180°	1171	1171	1171	1171	1171	

TEST NUMBER: P1008734

CATALOG NUMBER: S122DIP-B1005D925UB30-4F0-XX-W2A-D1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1067.5	1062.9	1052.2	1059.8	1056.8
5°	1062.9	1058.3	1049.1	1058.3	1056.8
7.5°	1055.2	1052.2	1044.5	1055.2	1053.7
10°	1046.0	1042.9	1038.3	1050.6	1049.1
12.5°	1030.7	1032.2	1029.1	1041.4	1039.9
15°	1013.8	1016.8	1016.8	1030.7	1029.1
17.5°	992.3	998.4	1003.0	1016.8	1016.8
20°	970.8	978.4	984.6	1001.5	1001.5
22.5°	947.7	956.9	966.1	983.0	986.1
25°	921.6	932.4	946.2	964.6	969.2
27.5°	890.9	907.8	923.1	946.2	949.3
30°	860.2	880.1	900.1	924.7	929.3
32.5°	826.4	849.4	874.0	903.2	912.4
35°	794.1	820.2	849.4	883.2	894.0
37.5°	758.8	788.0	824.8	861.7	872.5
40°	723.5	757.3	798.7	838.7	852.5
42.5°	689.7	723.5	772.6	817.2	831.0
45°	651.3	692.7	746.5	794.1	809.5
47.5°	614.4	658.9	720.4	769.5	786.4
50°	576.0	623.6	692.7	745.0	761.9
52.5°	539.1	589.8	663.6	717.3	735.7
55°	499.2	554.5	634.4	689.7	709.6
57.5°	460.8	522.2	602.1	662.0	682.0
60°	419.3	485.4	572.9	631.3	652.8
62.5°	382.5	451.6	539.1	602.1	622.1
65°	341.0	416.3	506.9	569.9	589.8
67.5°	304.1	382.5	474.6	537.6	559.1
70°	264.2	344.1	439.3	505.3	523.8
72.5°	227.3	310.3	407.0	471.6	494.6
75°	188.9	274.9	373.3	439.3	459.3
77.5°	152.1	241.2	341.0	407.0	428.5
80°	115.2	208.9	308.7	373.3	394.8
82.5°	84.5	176.6	278.0	342.5	362.5
85°	55.3	150.5	248.8	313.3	334.8
87.5°	33.8	126.0	224.3	287.2	307.2
90°	16.4	117.2	237.4	296.8	316.2
92.5°	35.5	124.8	219.5	280.4	298.9
95°	63.7	145.8	239.8	298.2	314.7
97.5°	96.8	171.7	264.7	321.5	340.0
100°	136.3	201.0	290.0	346.8	362.7
102.5°	176.2	232.8	319.7	376.0	391.9
105°	220.1	267.6	349.5	405.3	422.2
107.5°	265.6	306.4	383.2	436.4	448.4
110°	307.5	344.2	419.4	468.6	482.5

TEST NUMBER: P1008734

CATALOG NUMBER: S122DIP-B1005D925UB30-4F0-XX-W2A-D1

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	354.9	385.4	455.1	501.3	516.2
115°	401.3	424.2	491.4	536.4	550.3
117.5°	446.3	466.5	526.1	569.2	581.5
120°	492.7	506.8	560.3	603.3	617.3
122.5°	535.2	546.6	598.6	637.0	648.9
125°	578.2	587.1	633.2	671.7	684.6
127.5°	621.7	630.9	668.5	702.9	713.8
130°	662.2	673.4	703.7	738.7	746.9
132.5°	707.6	715.9	740.0	770.4	779.7
135°	745.6	756.4	773.8	805.1	814.3
137.5°	789.0	797.9	807.6	835.8	842.7
140°	827.6	835.0	843.0	867.5	872.8
142.5°	867.1	874.5	877.4	896.8	900.6
145°	903.1	910.1	916.0	926.2	929.9
147.5°	936.7	945.6	949.6	953.1	953.7
150°	971.3	977.2	981.2	984.2	981.2
152.5°	1002.0	1007.9	1012.8	1016.8	1012.8
155°	1032.6	1035.5	1038.5	1043.5	1040.5
157.5°	1059.3	1061.2	1063.2	1070.1	1065.2
160°	1083.0	1085.0	1085.9	1091.9	1087.9
162.5°	1104.7	1104.7	1105.7	1112.6	1107.7
165°	1123.5	1122.5	1122.5	1129.4	1124.5
167.5°	1140.3	1137.3	1137.3	1144.2	1139.3
170°	1153.1	1150.2	1149.2	1156.1	1150.2
172.5°	1162.0	1159.1	1158.1	1165.0	1159.1
175°	1168.9	1166.0	1164.0	1170.9	1165.0
177.5°	1172.9	1169.9	1168.0	1173.9	1168.0
180°	1170.9	1170.9	1170.9	1170.9	1170.9

(END OF REPORT)