

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: P1008735

Luminaire Tested: S122DIP-B1005D925UB30-4F0-XX-W2A-D4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008735
REPORT IS A COMBINATION OF REPORTS P983787 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-D4
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

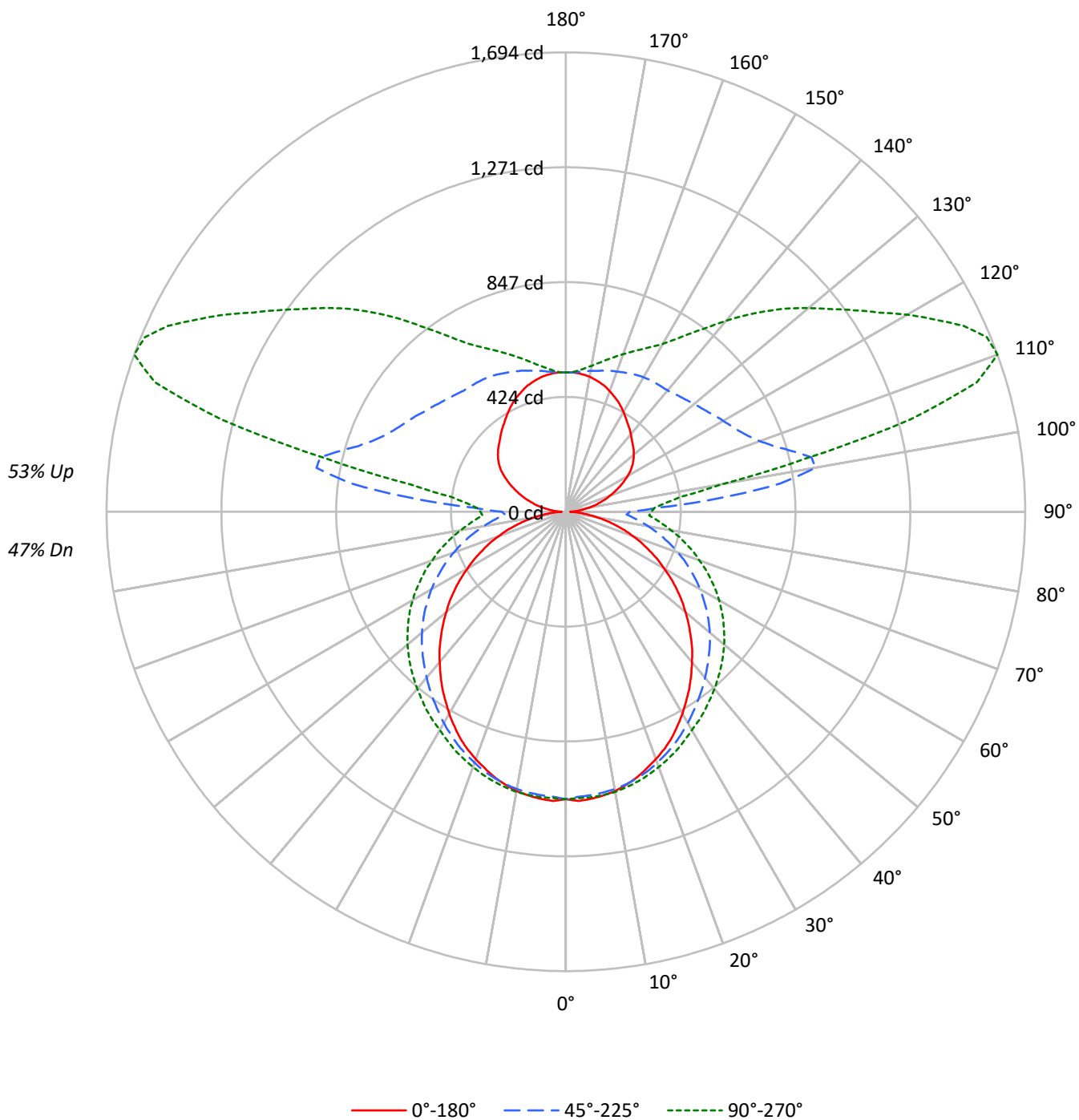
Lumens per Lamp: N/A
Luminaire Lumens: 7629.1 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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: P1008735

CATALOG NUMBER: S122DIP-B1005D925UB30-4F0-XX-W2A-D4

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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53
1	96	91	86	82	88	83	80	76	70	67	64	57	55	53	45	44	42
2	87	78	72	66	79	72	66	61	60	56	52	49	46	43	39	37	35
3	79	69	61	54	72	63	56	51	53	47	43	43	39	36	34	31	29
4	72	60	52	46	65	55	48	42	46	41	36	38	34	30	30	27	24
5	66	54	45	39	60	49	42	36	41	35	31	34	29	26	27	24	21
6	60	48	39	33	55	44	37	31	37	31	27	30	26	23	24	21	18
7	56	43	35	29	51	40	32	27	33	28	23	28	23	20	22	19	16
8	52	39	31	26	47	36	29	24	30	25	21	25	21	18	20	17	14
9	48	36	28	23	44	33	26	21	28	22	18	23	19	16	19	15	13
10	45	32	25	20	41	30	23	19	26	20	17	21	17	14	17	14	12

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: P1008735

CATALOG NUMBER: S122DIP-B1005D925UB30-4F0-XX-W2A-D4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	1.3
10°-20°	288.2	3.8
20°-30°	436.6	5.7
30°-40°	531.7	7.0
40°-50°	572.0	7.5
50°-60°	555.5	7.3
60°-70°	485.2	6.4
70°-80°	373.4	4.9
80°-90°	253.4	3.3
90°-100°	380.8	5.0
100°-110°	830.1	10.9
110°-120°	823.2	10.8
120°-130°	654.9	8.6
130°-140°	508.5	6.7
140°-150°	372.7	4.9
150°-160°	259.7	3.4
160°-170°	152.9	2.0
170°-180°	49.7	0.7
0°-30°	825.2	10.8
0°-40°	1356.9	17.8
0°-60°	2484.5	32.6
0°-90°	3596.4	47.1
90°-120°	2034.1	26.7
90°-150°	3570.3	46.8
90°-180°	4033.0	52.9
0°-180°	7629.1	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	118	236	296	315	13
95°	47	169	564	381	366	45
105°	128	234	864	1494	1316	137
115°	218	291	705	1402	1620	216
125°	300	354	641	1118	1296	267
135°	349	416	599	910	1046	270
145°	397	456	579	728	803	250
155°	452	488	562	636	661	208
165°	492	507	538	571	580	139
175°	513	513	518	524	523	49
180°	514	514	514	514	514	

TEST NUMBER: P1008735

CATALOG NUMBER: S122DIP-B1005D925UB30-4F0-XX-W2A-D4

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	117.8	236.4	296.3	315.2
92.5°	28.6	142.2	341.0	319.0	327.6
95°	46.9	169.4	563.9	381.2	366.0
97.5°	62.2	189.0	797.2	516.2	429.9
100°	86.9	205.0	934.1	794.8	581.0
102.5°	108.0	220.0	928.2	1186.0	904.6
105°	128.2	234.0	864.2	1494.5	1316.2
107.5°	151.9	248.0	804.0	1598.2	1589.5
110°	174.1	262.6	761.2	1567.2	1693.7

TEST NUMBER: P1008735

CATALOG NUMBER: S122DIP-B1005D925UB30-4F0-XX-W2A-D4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	195.8	277.7	728.8	1492.6	1681.0
115°	218.5	291.2	704.7	1402.3	1620.2
117.5°	240.7	306.4	686.0	1317.0	1534.8
120°	262.5	321.0	669.9	1238.0	1454.0
122.5°	283.2	337.6	656.8	1175.4	1367.1
125°	299.5	353.8	641.0	1117.8	1296.0
127.5°	314.3	370.5	628.9	1065.4	1227.4
130°	327.2	386.8	617.7	1014.2	1168.7
132.5°	339.0	402.6	607.5	961.4	1109.6
135°	349.3	416.4	598.8	909.8	1046.4
137.5°	360.1	428.3	591.1	857.4	983.8
140°	373.0	437.6	584.0	810.1	919.1
142.5°	385.8	446.6	580.9	765.8	856.0
145°	397.2	456.4	578.9	728.0	803.3
147.5°	411.0	464.4	576.0	695.0	754.0
150°	424.8	472.2	573.0	671.8	714.3
152.5°	438.7	480.2	568.1	653.5	685.6
155°	451.5	487.6	562.2	635.8	660.9
157.5°	462.4	493.5	556.2	619.0	639.2
160°	473.2	499.4	550.3	602.2	618.5
162.5°	484.1	503.8	545.4	586.3	598.7
165°	492.0	506.8	538.4	571.0	579.9
167.5°	498.9	509.8	532.5	557.2	562.2
170°	505.8	511.3	527.6	544.4	546.3
172.5°	509.8	512.8	521.6	533.0	533.5
175°	512.8	513.2	517.7	524.1	522.6
177.5°	514.7	513.7	513.7	517.7	514.7
180°	513.7	513.7	513.7	513.7	513.7

(END OF REPORT)