

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: P1007955

Luminaire Tested: S122DIP-B1005D530UB2750-4F0-XX-W2A-D_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007955
REPORT IS A COMBINATION OF REPORTS P983653 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B1005D530UB2750-4F0-XX-W2A-D_3000K
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

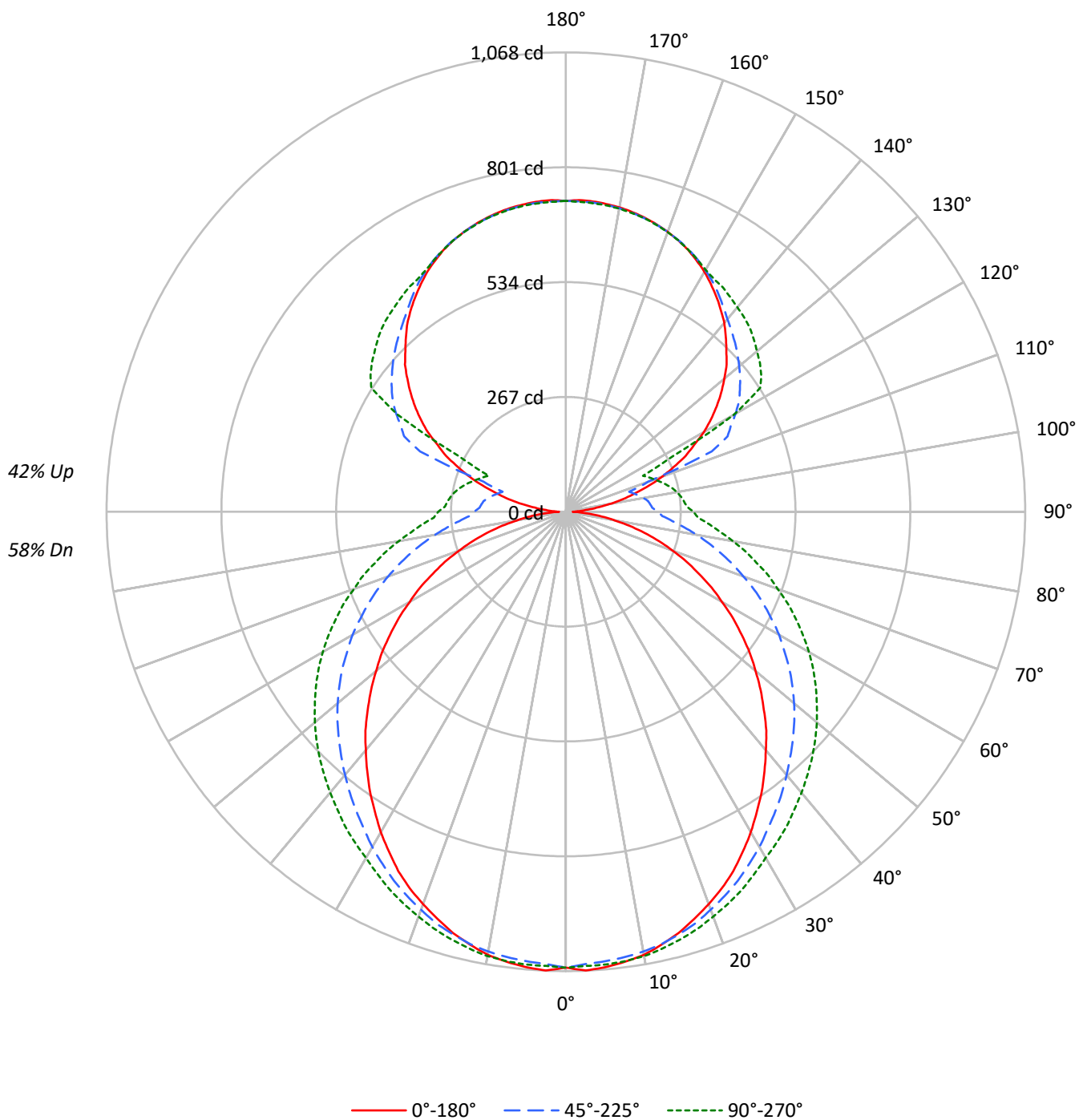
Lumens per Lamp: N/A
Luminaire Lumens: 6164.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 76.7
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	109	109	109	109		102	102	102	102		88	88	88		75	75	75		64	64	64
1	98	93	88	84		91	86	82	79		75	71	69		64	61	59		54	52	50
2	88	80	73	67		82	75	68	63		64	60	55		55	51	48		46	43	41
3	80	70	62	55		74	65	58	52		56	51	46		48	44	40		40	37	34
4	73	61	53	46		68	57	50	44		50	43	39		42	38	34		36	32	29
5	67	55	46	39		62	51	43	37		44	38	33		38	33	29		32	28	25
6	62	49	40	34		57	46	38	32		40	33	29		34	29	25		29	25	22
7	57	44	36	30		53	41	34	28		36	30	25		31	26	22		26	22	19
8	53	40	32	26		49	37	30	25		33	27	22		28	23	20		24	20	17
9	49	36	29	23		46	34	27	22		30	24	20		26	21	18		22	18	15
10	46	33	26	21		43	31	24	20		28	22	18		24	19	16		21	17	14

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	1.6
10°-20°	288.2	4.7
20°-30°	436.6	7.1
30°-40°	531.7	8.6
40°-50°	572.0	9.3
50°-60°	555.5	9.0
60°-70°	485.2	7.9
70°-80°	373.4	6.1
80°-90°	251.4	4.1
90°-100°	196.4	3.2
100°-110°	214.8	3.5
110°-120°	318.8	5.2
120°-130°	437.1	7.1
130°-140°	434.5	7.0
140°-150°	389.1	6.3
150°-160°	310.2	5.0
160°-170°	199.9	3.2
170°-180°	68.8	1.1
0°-30°	825.2	13.4
0°-40°	1356.9	22.0
0°-60°	2484.5	40.3
0°-90°	3594.4	58.3
90°-120°	730.0	11.8
90°-150°	1990.7	32.3
90°-180°	2570.0	41.7
0°-180°	6164.0	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	111	213	277	297	13
95°	46	101	197	258	276	50
105°	167	227	164	224	242	179
115°	307	333	415	219	198	302
125°	428	435	494	539	555	382
135°	528	536	556	594	605	408
145°	610	610	619	632	637	382
155°	672	667	674	677	672	310
165°	708	705	706	710	706	200
175°	724	721	722	725	720	69
180°	723	723	723	723	723	

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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°	15.9	110.7	213.3	277.3	296.7
92.5°	26.9	106.2	201.5	262.4	281.4
95°	46.3	101.2	197.0	258.0	275.9
97.5°	72.0	95.1	192.6	250.9	270.0
100°	103.4	88.5	183.4	244.4	262.3
102.5°	136.3	185.9	173.7	234.7	253.2
105°	166.7	226.9	164.0	223.6	242.5
107.5°	203.8	253.7	154.2	212.3	231.3
110°	237.8	279.5	203.6	200.5	219.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	271.2	305.2	367.1	190.8	209.2
115°	306.8	332.6	414.9	218.7	198.0
117.5°	336.1	358.9	432.3	403.6	281.9
120°	370.7	384.7	455.5	504.8	451.1
122.5°	399.9	409.8	477.2	521.7	536.1
125°	428.3	435.1	494.1	539.2	554.6
127.5°	455.4	461.2	510.5	554.1	568.5
130°	481.1	487.8	525.9	568.5	580.2
132.5°	507.2	512.4	541.3	581.3	593.1
135°	527.6	535.9	556.1	593.6	604.7
137.5°	550.6	556.9	569.8	604.2	613.5
140°	573.1	575.8	584.6	613.8	620.5
142.5°	591.9	594.1	600.9	623.4	628.5
145°	610.3	609.8	618.6	631.5	636.6
147.5°	627.5	626.0	634.9	639.0	641.5
150°	644.3	640.6	649.0	652.1	649.5
152.5°	658.4	654.2	662.0	665.2	661.5
155°	672.0	667.3	673.6	676.7	672.5
157.5°	683.0	678.8	683.5	687.1	683.0
160°	692.4	689.2	692.4	695.5	691.9
162.5°	700.7	697.6	700.2	703.9	699.2
165°	708.1	704.9	706.5	710.2	706.5
167.5°	713.8	710.7	712.2	715.9	711.2
170°	718.5	715.4	716.4	720.1	715.4
172.5°	721.7	718.5	719.6	723.2	718.5
175°	724.3	720.6	721.7	725.3	720.1
177.5°	725.3	721.7	722.2	725.8	721.1
180°	722.7	722.7	722.7	722.7	722.7

(END OF REPORT)