

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: P1008761

Luminaire Tested: S122DIP-B1005D925UB50-4F0-XX-W2A-D1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008761
REPORT IS A COMBINATION OF REPORTS P983813 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B1005D925UB50-4F0-XX-W2A-D1
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

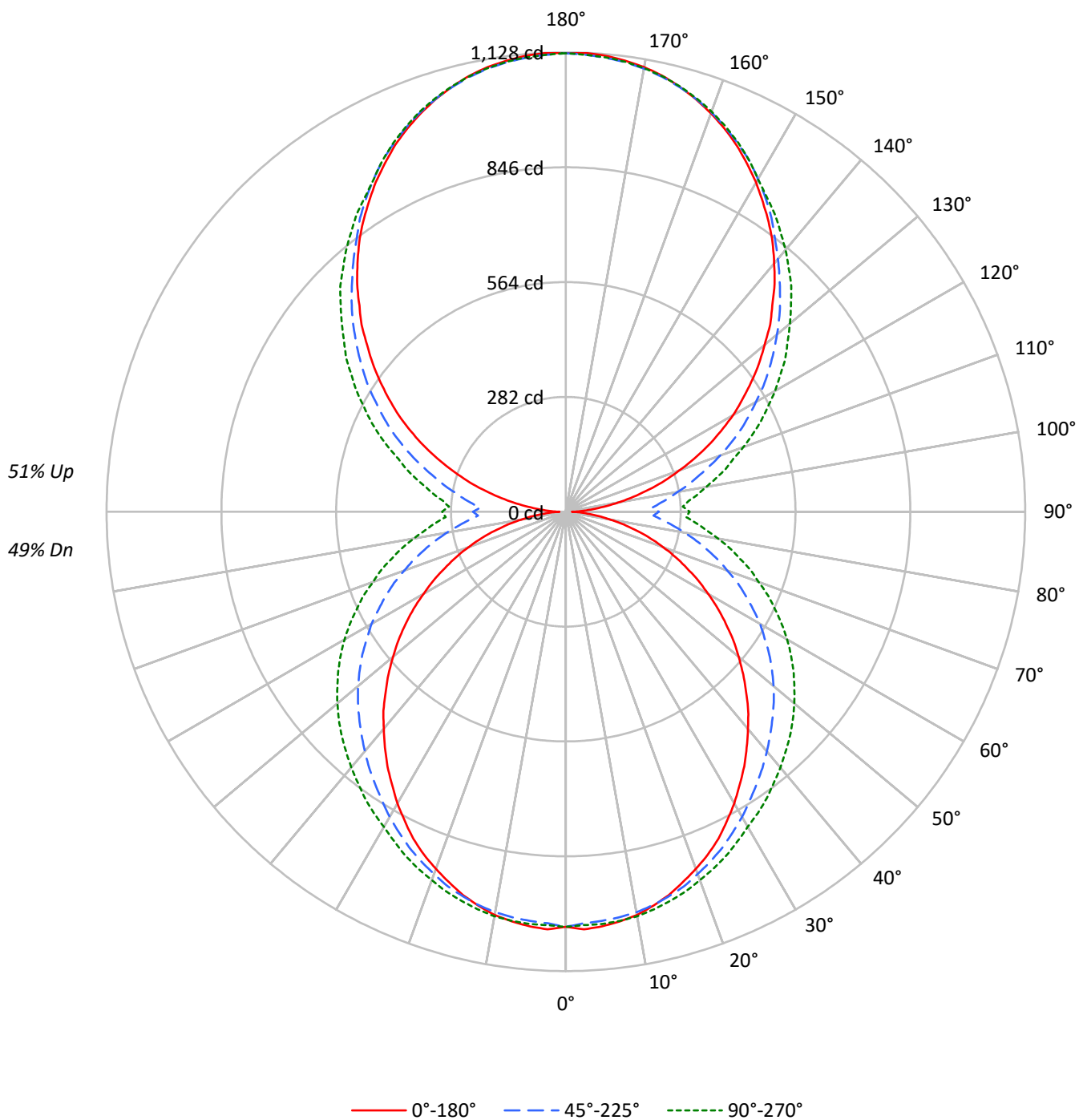
Lumens per Lamp: N/A
Luminaire Lumens: 7039.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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

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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
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°	16130	16130	16130
5°	16202	15441	15354
10°	16094	14906	14688
15°	15867	14353	14006
20°	15580	13772	13358
25°	15298	13216	12771
30°	14901	12651	12190
35°	14500	12105	11764
40°	14078	11634	11339
45°	13674	11207	10970
50°	13243	10813	10604
55°	12787	10395	10233
60°	12235	9958	9842
65°	11653	9457	9392
70°	11000	8921	8909
75°	10159	8383	8452
80°	8846	7821	7978
85°	7515	7294	7570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13674 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	1.4
10°-20°	277.0	3.9
20°-30°	419.8	6.0
30°-40°	511.2	7.3
40°-50°	550.0	7.8
50°-60°	534.1	7.6
60°-70°	466.4	6.6
70°-80°	359.0	5.1
80°-90°	243.7	3.5
90°-100°	235.5	3.3
100°-110°	342.6	4.9
110°-120°	458.9	6.5
120°-130°	542.8	7.7
130°-140°	578.0	8.2
140°-150°	551.6	7.8
150°-160°	460.1	6.5
160°-170°	305.1	4.3
170°-180°	106.6	1.5
0°-30°	793.4	11.3
0°-40°	1304.6	18.5
0°-60°	2388.7	33.9
0°-90°	3457.8	49.1
90°-120°	1036.9	14.7
90°-150°	2709.4	38.5
90°-180°	3581.0	50.9
0°-180°	7039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1019	1019	1019	1019	1019	
5°	1022	1018	1009	1018	1016	97
15°	975	978	978	991	989	275
25°	886	896	910	927	932	407
35°	764	789	817	849	860	477
45°	626	666	718	764	778	483
55°	480	533	610	663	682	429
65°	328	400	487	548	567	326
75°	182	264	359	422	442	192
85°	53	145	239	301	322	56
90°	16	113	228	285	304	13
95°	61	140	231	287	303	64
105°	212	257	336	390	406	224
115°	386	408	472	516	529	381
125°	556	564	609	646	658	497
135°	717	727	744	774	783	554
145°	868	875	881	891	894	543
155°	993	996	999	1003	1000	457
165°	1080	1079	1079	1086	1081	305
175°	1124	1121	1119	1126	1120	107
180°	1126	1126	1126	1126	1126	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1019.0	1019.0	1019.0	1019.0	1019.0
2.5°	1026.3	1021.9	1011.6	1019.0	1016.0
5°	1021.9	1017.5	1008.6	1017.5	1016.0
7.5°	1014.5	1011.6	1004.2	1014.5	1013.1
10°	1005.7	1002.7	998.3	1010.1	1008.6
12.5°	990.9	992.4	989.4	1001.2	999.8
15°	974.7	977.6	977.6	990.9	989.4
17.5°	954.0	959.9	964.3	977.6	977.6
20°	933.3	940.7	946.6	962.8	962.8
22.5°	911.2	920.0	928.9	945.1	948.1
25°	886.1	896.4	909.7	927.4	931.8
27.5°	856.5	872.8	887.5	909.7	912.6
30°	827.0	846.2	865.4	889.0	893.4
32.5°	794.5	816.6	840.3	868.3	877.2
35°	763.5	788.6	816.6	849.1	859.5
37.5°	729.5	757.6	793.0	828.5	838.8
40°	695.6	728.0	767.9	806.3	819.6
42.5°	663.1	695.6	742.8	785.6	798.9
45°	626.1	666.0	717.7	763.5	778.3
47.5°	590.7	633.5	692.6	739.9	756.1
50°	553.8	599.6	666.0	716.2	732.5
52.5°	518.3	567.1	638.0	689.6	707.4
55°	479.9	533.1	609.9	663.1	682.3
57.5°	443.0	502.1	578.9	636.5	655.7
60°	403.2	466.7	550.8	606.9	627.6
62.5°	367.7	434.2	518.3	578.9	598.1
65°	327.8	400.2	487.3	547.9	567.1
67.5°	292.4	367.7	456.3	516.9	537.5
70°	254.0	330.8	422.4	485.9	503.6
72.5°	218.6	298.3	391.3	453.4	475.5
75°	181.6	264.3	358.9	422.4	441.6
77.5°	146.2	231.9	327.8	391.3	412.0
80°	110.8	200.8	296.8	358.9	379.5
82.5°	81.2	169.8	267.3	329.3	348.5
85°	53.2	144.7	239.2	301.3	321.9
87.5°	32.5	121.1	215.6	276.2	295.4
90°	15.8	112.8	228.2	285.4	304.0
92.5°	34.2	120.1	211.1	269.6	287.4
95°	61.2	140.1	230.6	286.7	302.6
97.5°	93.0	165.0	254.5	309.1	326.9
100°	131.0	193.3	278.8	333.4	348.8
102.5°	169.5	223.9	307.4	361.5	376.8
105°	211.7	257.3	336.0	389.6	405.8
107.5°	255.4	294.6	368.5	419.6	431.1
110°	295.7	330.9	403.3	450.6	463.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	341.3	370.6	437.6	482.0	496.4
115°	385.9	408.0	472.5	515.8	529.2
117.5°	429.1	448.5	505.9	547.3	559.2
120°	473.8	487.3	538.8	580.2	593.5
122.5°	514.6	525.6	575.5	612.5	623.9
125°	556.0	564.5	608.9	645.9	658.3
127.5°	597.8	606.7	642.7	675.9	686.4
130°	636.7	647.6	676.7	710.2	718.2
132.5°	680.4	688.4	711.5	740.7	749.7
135°	716.9	727.4	744.0	774.1	783.1
137.5°	758.7	767.3	776.6	803.7	810.2
140°	795.8	802.9	810.6	834.2	839.2
142.5°	833.8	840.9	843.7	862.4	866.0
145°	868.4	875.1	880.8	890.6	894.1
147.5°	900.7	909.3	913.1	916.5	917.1
150°	934.0	939.7	943.5	946.3	943.5
152.5°	963.4	969.1	973.9	977.7	973.9
155°	992.9	995.7	998.6	1003.3	1000.5
157.5°	1018.5	1020.4	1022.3	1029.0	1024.2
160°	1041.3	1043.2	1044.2	1049.9	1046.1
162.5°	1062.2	1062.2	1063.2	1069.8	1065.1
165°	1080.3	1079.3	1079.3	1086.0	1081.2
167.5°	1096.4	1093.6	1093.6	1100.2	1095.5
170°	1108.8	1105.9	1105.0	1111.6	1105.9
172.5°	1117.3	1114.5	1113.5	1120.2	1114.5
175°	1124.0	1121.1	1119.2	1125.9	1120.2
177.5°	1127.8	1124.9	1123.0	1128.7	1123.0
180°	1125.9	1125.9	1125.9	1125.9	1125.9

(END OF REPORT)