

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: P1008743

Luminaire Tested: S122DIP-B1005D925UB35-4F0-XX-W2A-D1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008743
REPORT IS A COMBINATION OF REPORTS P983795 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B1005D925UB35-4F0-XX-W2A-D1
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

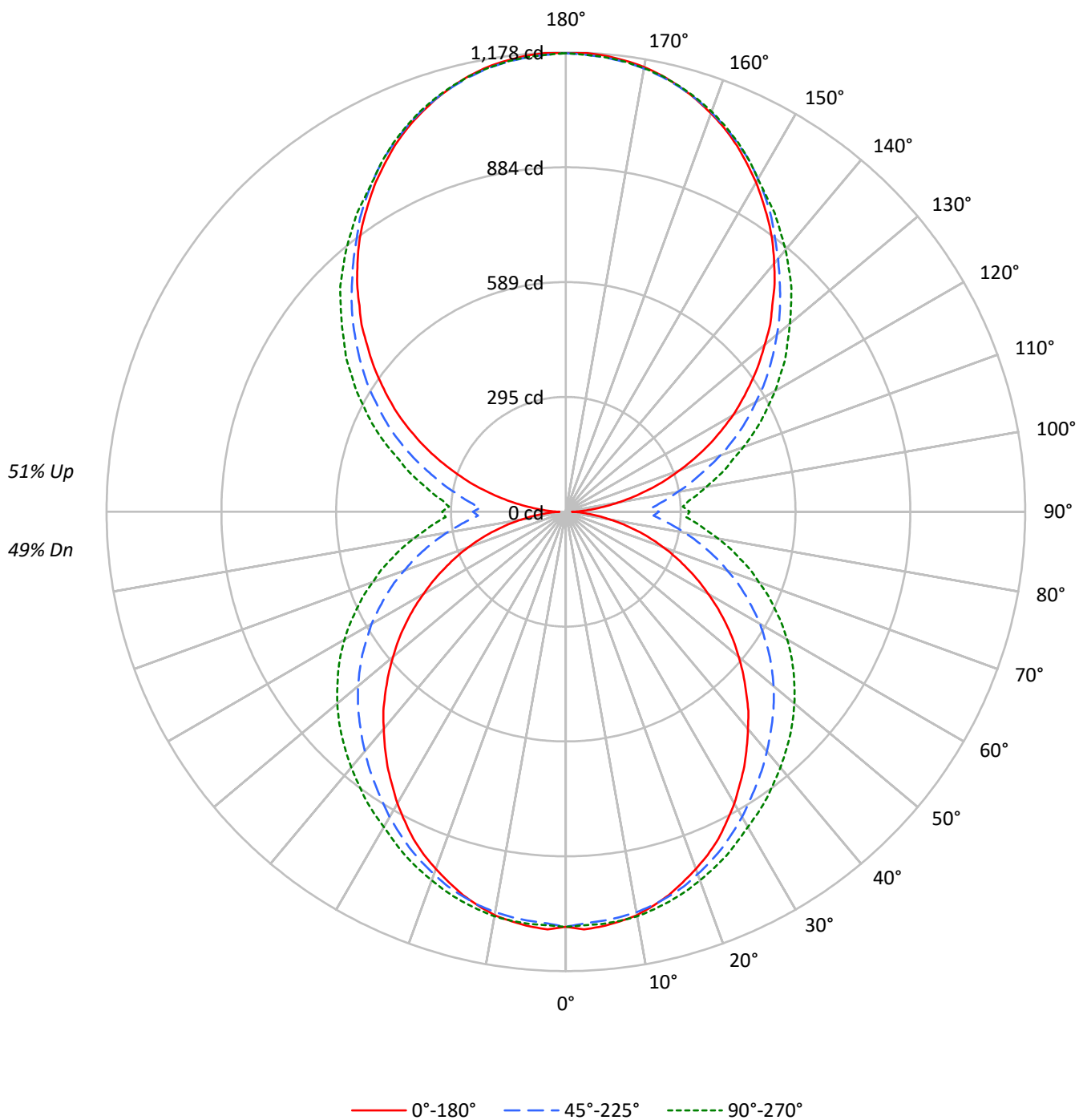
Lumens per Lamp: N/A
Luminaire Lumens: 7352.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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	30	10
RCR																	
0	107	107	107	107	99	99	99	99	83	83	83	68	68	68	55	55	55
1	96	91	87	83	88	84	80	77	70	68	65	58	56	54	47	45	44
2	87	79	72	66	80	73	67	62	61	56	53	50	47	44	40	38	36
3	79	69	61	55	72	63	56	51	53	48	44	44	40	37	35	32	30
4	72	61	52	46	66	56	48	43	47	41	37	39	34	31	31	28	25
5	66	54	45	39	60	50	42	36	42	36	31	35	30	26	28	24	22
6	61	48	40	33	55	44	37	31	38	32	27	31	27	23	25	22	19
7	56	43	35	29	51	40	33	27	34	28	24	28	24	20	23	19	17
8	52	39	31	26	48	36	29	24	31	25	21	26	21	18	21	17	15
9	48	36	28	23	44	33	26	21	28	23	19	24	19	16	19	16	13
10	45	33	25	20	41	30	24	19	26	21	17	22	17	14	18	15	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16847	16847	16847
5°	16924	16128	16037
10°	16809	15569	15342
15°	16572	14992	14631
20°	16273	14385	13954
25°	15978	13805	13340
30°	15564	13214	12733
35°	15146	12644	12286
40°	14704	12153	11844
45°	14283	11705	11458
50°	13832	11295	11076
55°	13358	10856	10688
60°	12778	10401	10279
65°	12172	9879	9810
70°	11489	9316	9305
75°	10612	8755	8828
80°	9237	8169	8334
85°	7840	7620	7908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14283 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	1.4
10°-20°	289.4	3.9
20°-30°	438.5	6.0
30°-40°	533.9	7.3
40°-50°	574.5	7.8
50°-60°	557.9	7.6
60°-70°	487.2	6.6
70°-80°	375.0	5.1
80°-90°	254.5	3.5
90°-100°	246.0	3.3
100°-110°	357.8	4.9
110°-120°	479.2	6.5
120°-130°	566.9	7.7
130°-140°	603.7	8.2
140°-150°	576.1	7.8
150°-160°	480.5	6.5
160°-170°	318.7	4.3
170°-180°	111.4	1.5
0°-30°	828.7	11.3
0°-40°	1362.6	18.5
0°-60°	2495.0	33.9
0°-90°	3611.6	49.1
90°-120°	1083.0	14.7
90°-150°	2829.8	38.5
90°-180°	3740.0	50.9
0°-180°	7352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1064	1064	1064	1064	1064	
5°	1067	1063	1054	1063	1061	101
15°	1018	1021	1021	1035	1034	287
25°	926	936	950	969	973	426
35°	798	824	853	887	898	498
45°	654	696	750	798	813	505
55°	501	557	637	693	713	448
65°	342	418	509	572	592	340
75°	190	276	375	441	461	201
85°	56	151	250	315	336	59
90°	16	118	238	298	318	14
95°	64	146	241	300	316	67
105°	221	269	351	407	424	234
115°	403	426	493	539	553	398
125°	581	590	636	675	688	519
135°	749	760	777	808	818	579
145°	907	914	920	930	934	567
155°	1037	1040	1043	1048	1045	477
165°	1128	1127	1127	1134	1129	318
175°	1174	1171	1169	1176	1170	112
180°	1176	1176	1176	1176	1176	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1064.3	1064.3	1064.3	1064.3	1064.3
2.5°	1072.0	1067.4	1056.6	1064.3	1061.2
5°	1067.4	1062.8	1053.5	1062.8	1061.2
7.5°	1059.7	1056.6	1048.9	1059.7	1058.1
10°	1050.4	1047.3	1042.7	1055.0	1053.5
12.5°	1035.0	1036.5	1033.5	1045.8	1044.2
15°	1018.0	1021.1	1021.1	1035.0	1033.5
17.5°	996.4	1002.6	1007.2	1021.1	1021.1
20°	974.8	982.6	988.7	1005.7	1005.7
22.5°	951.7	961.0	970.2	987.2	990.3
25°	925.5	936.3	950.2	968.7	973.3
27.5°	894.6	911.6	927.0	950.2	953.2
30°	863.8	883.8	903.9	928.6	933.2
32.5°	829.8	853.0	877.7	907.0	916.2
35°	797.5	823.7	853.0	886.9	897.7
37.5°	762.0	791.3	828.3	865.3	876.1
40°	726.5	760.4	802.1	842.2	856.1
42.5°	692.6	726.5	775.9	820.6	834.5
45°	654.0	695.7	749.6	797.5	812.9
47.5°	617.0	661.7	723.4	772.8	789.7
50°	578.4	626.2	695.7	748.1	765.1
52.5°	541.4	592.3	666.3	720.3	738.8
55°	501.3	556.8	637.0	692.6	712.6
57.5°	462.7	524.4	604.6	664.8	684.9
60°	421.1	487.4	575.3	634.0	655.5
62.5°	384.1	453.5	541.4	604.6	624.7
65°	342.4	418.0	509.0	572.3	592.3
67.5°	305.4	384.1	476.6	539.9	561.5
70°	265.3	345.5	441.1	507.5	526.0
72.5°	228.3	311.6	408.8	473.5	496.7
75°	189.7	276.1	374.8	441.1	461.2
77.5°	152.7	242.2	342.4	408.8	430.3
80°	115.7	209.8	310.0	374.8	396.4
82.5°	84.8	177.4	279.2	344.0	364.0
85°	55.5	151.2	249.9	314.7	336.3
87.5°	33.9	126.5	225.2	288.4	308.5
90°	16.4	117.8	238.3	298.0	317.5
92.5°	35.7	125.4	220.5	281.7	300.2
95°	63.9	146.3	240.9	299.5	316.0
97.5°	97.1	172.4	265.8	322.9	341.4
100°	136.8	201.9	291.1	348.2	364.3
102.5°	177.0	233.9	321.0	377.6	393.5
105°	221.1	268.7	351.0	406.9	423.9
107.5°	266.7	307.7	384.9	438.3	450.3
110°	308.9	345.6	421.2	470.6	484.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	356.5	387.0	457.1	503.5	518.4
115°	403.1	426.0	493.4	538.7	552.7
117.5°	448.2	468.5	528.4	571.6	584.0
120°	494.8	509.0	562.7	605.9	619.9
122.5°	537.5	549.0	601.0	639.8	651.7
125°	580.6	589.6	635.9	674.6	687.5
127.5°	624.3	633.6	671.4	706.0	716.8
130°	665.0	676.3	706.7	741.8	750.2
132.5°	710.6	719.0	743.2	773.7	783.0
135°	748.7	759.6	777.1	808.5	817.9
137.5°	792.4	801.3	811.1	839.4	846.2
140°	831.1	838.5	846.6	871.3	876.5
142.5°	870.8	878.2	881.2	900.7	904.4
145°	907.0	913.9	919.9	930.2	933.9
147.5°	940.7	949.7	953.6	957.1	957.9
150°	975.5	981.4	985.4	988.4	985.4
152.5°	1006.2	1012.2	1017.1	1021.1	1017.1
155°	1037.0	1040.0	1042.9	1047.9	1044.9
157.5°	1063.8	1065.8	1067.8	1074.7	1069.7
160°	1087.6	1089.6	1090.6	1096.5	1092.6
162.5°	1109.4	1109.4	1110.4	1117.4	1112.4
165°	1128.3	1127.3	1127.3	1134.2	1129.3
167.5°	1145.2	1142.2	1142.2	1149.1	1144.2
170°	1158.1	1155.1	1154.1	1161.0	1155.1
172.5°	1167.0	1164.0	1163.0	1170.0	1164.0
175°	1173.9	1171.0	1169.0	1175.9	1170.0
177.5°	1177.9	1174.9	1172.9	1178.9	1172.9
180°	1175.9	1175.9	1175.9	1175.9	1175.9

(END OF REPORT)