

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: P1009400

Luminaire Tested: S122DIP-B675D925UB30-4F0-XX-W2A-D1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1009400
REPORT IS A COMBINATION OF REPORTS P984686 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B675D925UB30-4F0-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

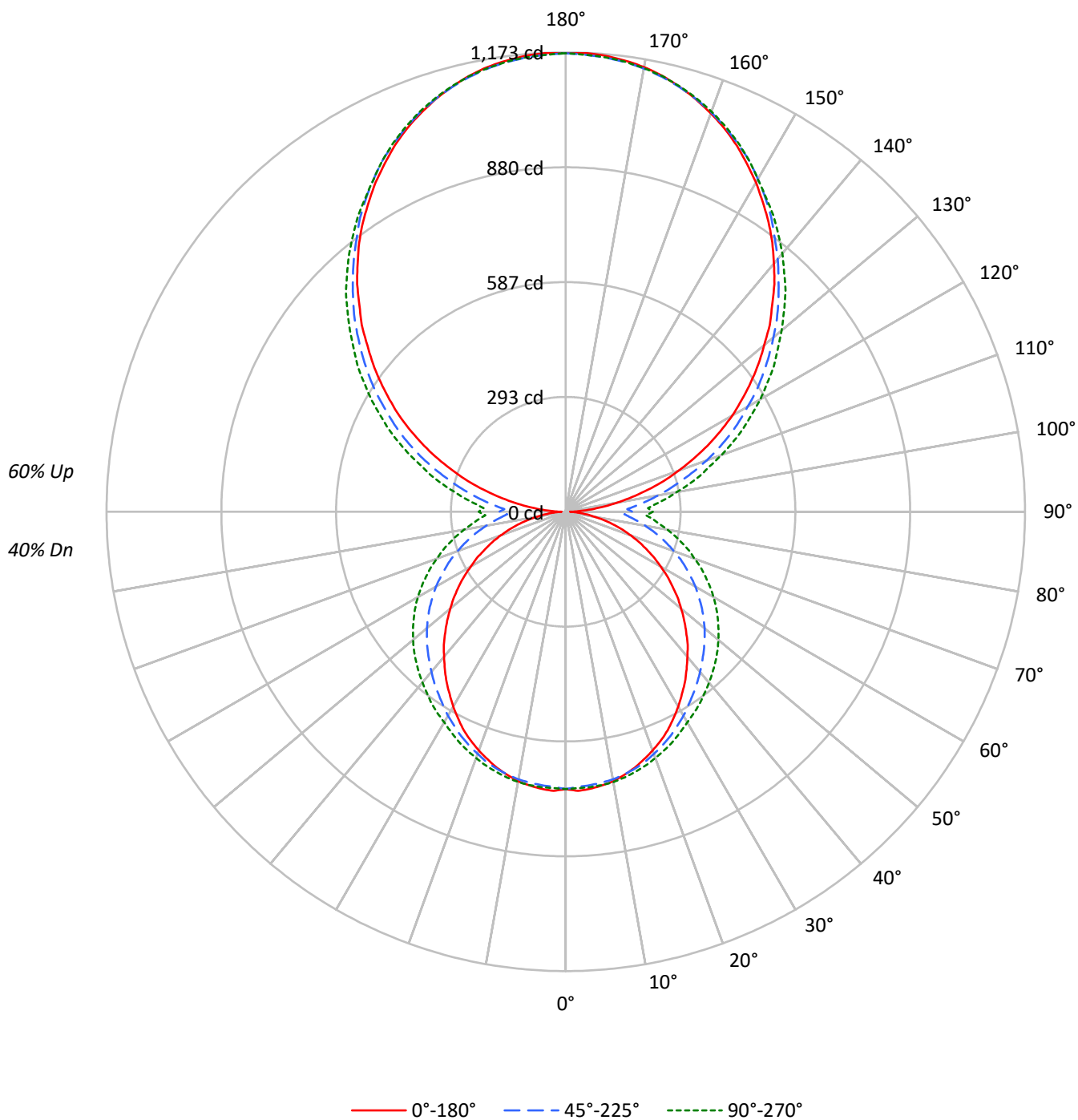
Lumens per Lamp: N/A
Luminaire Lumens: 5979.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 64.4
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: P1009400

CATALOG NUMBER: S122DIP-B675D925UB30-4F0-XX-W2A-D1

Luminous Intensity Polar Plot



TEST NUMBER: P1009400

CATALOG NUMBER: S122DIP-B675D925UB30-4F0-XX-W2A-D1

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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47
1	94	90	85	81	86	82	78	75	66	64	61	53	51	49	40	38	37
2	85	78	71	65	77	71	65	60	57	53	50	45	42	40	34	32	31
3	78	68	60	54	70	62	55	50	50	45	41	40	36	33	30	28	25
4	71	60	51	45	64	54	47	42	44	39	35	35	31	28	27	24	22
5	65	53	45	38	59	48	41	35	39	34	30	31	27	24	24	21	19
6	60	47	39	33	54	43	36	31	35	30	26	28	24	21	21	18	16
7	55	42	34	29	50	39	32	27	32	26	22	26	21	18	20	17	14
8	51	38	31	25	46	35	28	23	29	24	20	23	19	16	18	15	13
9	47	35	27	22	43	32	25	21	27	21	18	21	17	14	16	14	11
10	44	32	25	20	40	29	23	18	24	19	16	20	16	13	15	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11209	11209	11209
5°	11260	10732	10671
10°	11184	10360	10209
15°	11026	9975	9734
20°	10827	9570	9284
25°	10631	9185	8876
30°	10355	8791	8472
35°	10077	8412	8175
40°	9784	8086	7880
45°	9503	7789	7624
50°	9204	7516	7369
55°	8886	7225	7111
60°	8503	6921	6840
65°	8098	6573	6527
70°	7644	6199	6192
75°	7060	5826	5874
80°	6148	5436	5546
85°	5212	5071	5260

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9503 cd/sqm

TEST NUMBER: P1009400

CATALOG NUMBER: S122DIP-B675D925UB30-4F0-XX-W2A-D1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	1.1
10°-20°	192.5	3.2
20°-30°	291.7	4.9
30°-40°	355.2	5.9
40°-50°	382.2	6.4
50°-60°	371.2	6.2
60°-70°	324.2	5.4
70°-80°	249.5	4.2
80°-90°	170.4	2.9
90°-100°	187.7	3.1
100°-110°	314.5	5.3
110°-120°	449.6	7.5
120°-130°	549.2	9.2
130°-140°	594.7	9.9
140°-150°	572.6	9.6
150°-160°	478.5	8.0
160°-170°	317.3	5.3
170°-180°	110.9	1.9
0°-30°	551.4	9.2
0°-40°	906.6	15.2
0°-60°	1660.0	27.8
0°-90°	2404.1	40.2
90°-120°	951.8	15.9
90°-150°	2668.2	44.6
90°-180°	3575.0	59.8
0°-180°	5979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	708	708	708	708	708	
5°	710	707	701	707	706	67
15°	677	679	679	689	688	191
25°	616	623	632	644	648	283
35°	531	548	568	590	597	332
45°	435	463	499	531	541	336
55°	334	370	424	461	474	298
65°	228	278	339	381	394	226
75°	126	184	249	294	307	134
85°	37	101	166	209	224	39
90°	11	83	170	209	222	10
95°	60	118	181	220	231	64
105°	218	250	306	344	355	230
115°	399	417	461	491	499	395
125°	577	586	616	641	649	516
135°	745	756	768	789	794	576
145°	903	910	916	923	924	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: P1009400

CATALOG NUMBER: S122DIP-B675D925UB30-4F0-XX-W2A-D1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	708.1	708.1	708.1	708.1	708.1
2.5°	713.3	710.2	703.0	708.1	706.1
5°	710.2	707.1	701.0	707.1	706.1
7.5°	705.1	703.0	697.9	705.1	704.0
10°	698.9	696.8	693.8	702.0	701.0
12.5°	688.6	689.7	687.6	695.8	694.8
15°	677.3	679.4	679.4	688.6	687.6
17.5°	663.0	667.1	670.2	679.4	679.4
20°	648.6	653.7	657.8	669.1	669.1
22.5°	633.2	639.4	645.5	656.8	658.9
25°	615.8	623.0	632.2	644.5	647.6
27.5°	595.2	606.5	616.8	632.2	634.2
30°	574.7	588.1	601.4	617.8	620.9
32.5°	552.1	567.5	584.0	603.5	609.6
35°	530.6	548.0	567.5	590.1	597.3
37.5°	507.0	526.5	551.1	575.7	582.9
40°	483.4	506.0	533.7	560.4	569.6
42.5°	460.8	483.4	516.2	546.0	555.2
45°	435.1	462.9	498.8	530.6	540.9
47.5°	410.5	440.3	481.3	514.2	525.5
50°	384.9	416.7	462.9	497.7	509.0
52.5°	360.2	394.1	443.4	479.3	491.6
55°	333.5	370.5	423.9	460.8	474.1
57.5°	307.9	348.9	402.3	442.3	455.7
60°	280.2	324.3	382.8	421.8	436.2
62.5°	255.5	301.7	360.2	402.3	415.6
65°	227.8	278.1	338.7	380.8	394.1
67.5°	203.2	255.5	317.1	359.2	373.6
70°	176.5	229.9	293.5	337.6	350.0
72.5°	151.9	207.3	272.0	315.1	330.5
75°	126.2	183.7	249.4	293.5	306.9
77.5°	101.6	161.1	227.8	272.0	286.3
80°	77.0	139.6	206.3	249.4	263.8
82.5°	56.4	118.0	185.8	228.9	242.2
85°	36.9	100.6	166.3	209.4	223.7
87.5°	22.6	84.2	149.8	191.9	205.3
90°	11.3	82.6	170.1	209.1	222.4
92.5°	30.9	93.2	156.8	197.9	210.2
95°	59.6	117.7	181.2	220.2	230.6
97.5°	93.2	146.2	209.6	247.6	259.9
100°	132.7	178.6	239.0	277.0	287.3
102.5°	173.2	212.9	272.3	310.3	320.6
105°	217.5	250.3	305.7	343.6	354.9
107.5°	263.0	291.7	343.0	378.8	385.2
110°	305.5	331.9	382.2	415.1	423.3

TEST NUMBER: P1009400

CATALOG NUMBER: S122DIP-B675D925UB30-4F0-XX-W2A-D1

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	352.9	375.2	421.4	451.4	460.7
115°	399.3	416.6	460.8	490.6	498.9
117.5°	444.8	460.9	499.1	526.9	534.1
120°	491.2	503.2	536.3	565.1	573.5
122.5°	533.7	544.6	577.7	602.4	609.6
125°	577.2	586.1	615.9	640.6	648.9
127.5°	620.7	630.4	654.2	675.9	682.2
130°	661.2	672.9	692.5	715.2	719.4
132.5°	706.6	715.4	731.8	750.5	755.7
135°	745.1	755.9	768.2	788.7	794.0
137.5°	788.5	797.4	804.6	823.1	826.3
140°	827.1	835.0	842.0	858.4	860.5
142.5°	866.6	874.5	877.4	890.7	891.9
145°	903.1	910.1	916.0	923.2	924.3
147.5°	936.7	945.6	949.6	952.6	951.7
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)