

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: P1009402

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

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1009402
REPORT IS A COMBINATION OF REPORTS P984688 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-F
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

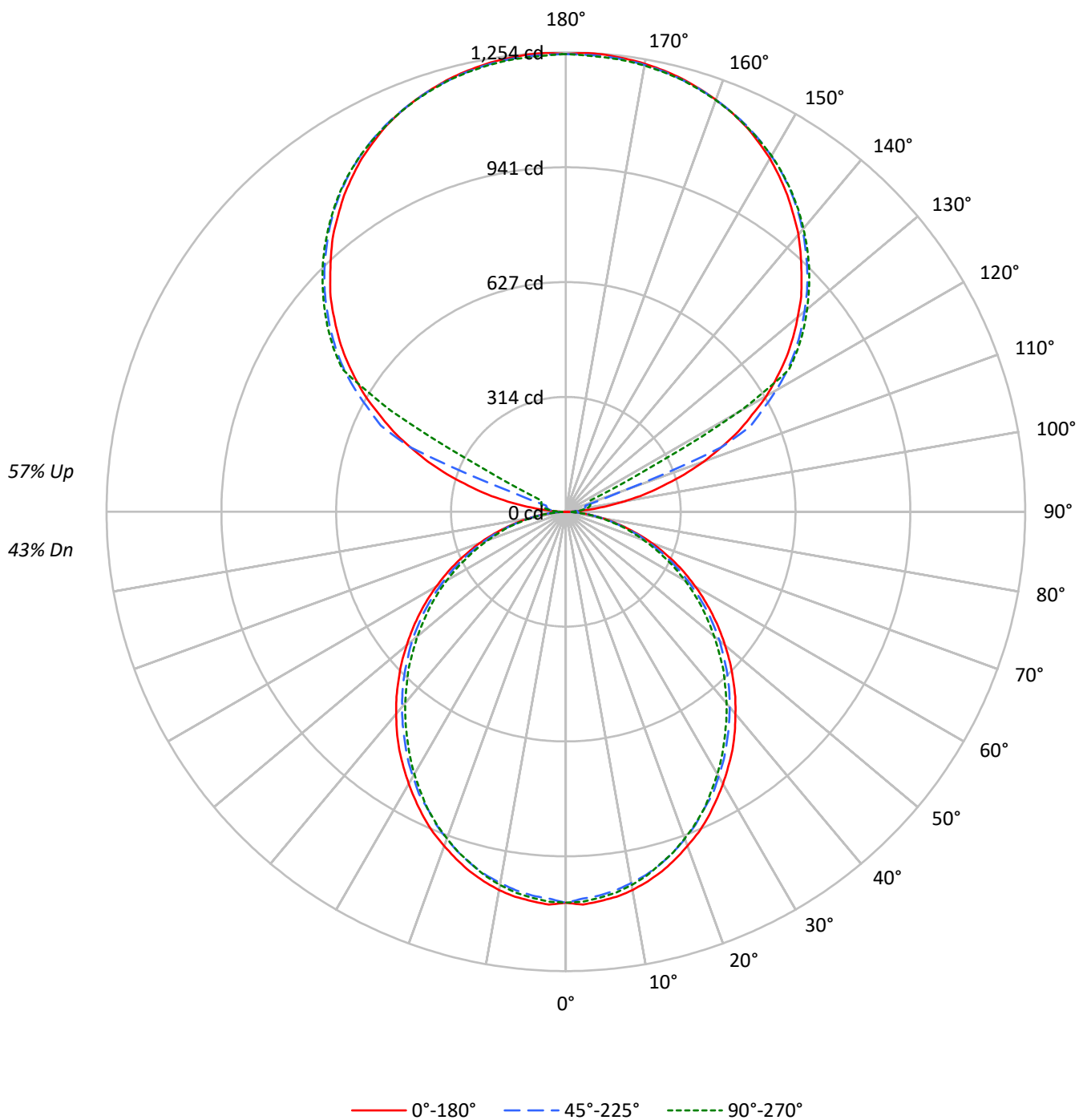
Lumens per Lamp: N/A
Luminaire Lumens: 6380.0 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	44	43	42
2	88	80	74	69	80	73	68	64	61	57	54	49	47	44	38	37	35
3	80	70	63	57	73	65	58	53	54	49	45	43	40	37	34	32	30
4	73	62	55	49	66	57	50	45	48	43	38	39	35	32	30	28	26
5	67	55	47	42	61	51	44	39	43	37	33	35	31	28	27	25	22
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20
7	57	45	37	31	52	41	34	29	35	29	25	28	24	21	23	20	18
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16891	16891	16891
5°	16919	16102	15987
10°	16782	15368	15062
15°	16536	14627	14090
20°	16204	13824	13168
25°	15873	12984	12249
30°	15456	12195	11284
35°	15064	11362	10336
40°	14578	10541	9441
45°	14096	9725	8563
50°	13569	8896	7650
55°	13014	8010	6787
60°	12393	7049	5890
65°	11710	6075	4946
70°	10844	5005	3993
75°	9644	3859	3084
80°	8191	2622	1985
85°	5947	1220	844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	1.6
10°-20°	282.6	4.4
20°-30°	415.3	6.5
30°-40°	482.3	7.6
40°-50°	481.7	7.6
50°-60°	420.0	6.6
60°-70°	310.5	4.9
70°-80°	175.7	2.8
80°-90°	48.6	0.8
90°-100°	41.2	0.6
100°-110°	153.6	2.4
110°-120°	407.3	6.4
120°-130°	675.6	10.6
130°-140°	717.6	11.2
140°-150°	666.9	10.5
150°-160°	536.2	8.4
160°-170°	345.5	5.4
170°-180°	118.9	1.9
0°-30°	798.3	12.5
0°-40°	1280.6	20.1
0°-60°	2182.4	34.2
0°-90°	2717.2	42.6
90°-120°	602.1	9.4
90°-150°	2662.2	41.7
90°-180°	3663.0	57.4
0°-180°	6380.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1067	1063	1052	1060	1058	101
15°	1016	1010	996	1000	995	286
25°	919	911	894	896	894	423
35°	793	783	766	760	755	495
45°	645	638	623	612	608	498
55°	488	482	470	458	452	437
65°	329	323	313	304	299	326
75°	172	170	165	159	161	184
85°	42	41	40	37	36	47
90°	1	11	18	23	24	6
95°	59	29	35	40	39	70
105°	275	302	55	65	69	294
115°	520	535	558	139	74	512
125°	735	747	764	770	773	656
135°	910	924	932	941	939	703
145°	1055	1054	1070	1076	1071	660
155°	1162	1154	1164	1170	1163	535
165°	1224	1219	1221	1228	1221	346
175°	1252	1246	1248	1254	1245	119
180°	1249	1249	1249	1249	1249	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1067.1	1067.1	1067.1	1067.1	1067.1
2.5°	1073.3	1068.2	1056.9	1067.1	1065.1
5°	1067.1	1063.0	1051.8	1060.0	1057.9
7.5°	1060.0	1053.8	1042.5	1050.7	1048.7
10°	1048.7	1041.5	1029.2	1037.4	1034.3
12.5°	1033.3	1027.1	1014.8	1019.9	1017.9
15°	1015.8	1009.7	996.3	1000.5	995.3
17.5°	994.3	988.1	974.8	979.9	974.8
20°	970.7	964.5	950.2	953.3	949.1
22.5°	947.1	937.9	924.5	924.5	922.5
25°	919.4	911.2	893.7	895.8	893.7
27.5°	888.6	881.4	868.1	865.0	859.9
30°	857.8	849.6	834.2	831.1	827.0
32.5°	825.0	818.8	802.4	796.3	792.2
35°	793.2	782.9	766.5	760.3	755.2
37.5°	757.3	748.0	731.6	724.4	719.3
40°	720.3	712.1	695.7	686.5	682.4
42.5°	684.4	676.2	659.8	649.5	643.4
45°	645.4	638.2	622.8	611.6	607.5
47.5°	607.5	600.3	583.9	572.6	566.4
50°	567.4	562.3	547.9	533.6	528.4
52.5°	528.4	521.3	507.9	496.6	489.5
55°	488.4	482.3	470.0	457.6	452.5
57.5°	448.4	443.3	429.9	417.6	413.5
60°	408.4	404.3	389.9	378.6	375.6
62.5°	369.4	362.2	352.0	341.7	337.6
65°	329.4	323.2	313.0	303.7	298.6
67.5°	288.3	283.2	274.0	266.8	262.7
70°	250.4	246.3	237.0	229.8	225.7
72.5°	211.4	207.3	202.1	195.0	191.9
75°	172.4	170.3	165.2	159.0	161.1
77.5°	137.5	133.4	131.3	128.3	125.2
80°	102.6	101.6	99.5	96.5	94.4
82.5°	69.8	69.8	68.7	64.6	64.6
85°	42.1	41.0	40.0	36.9	35.9
87.5°	18.5	16.4	14.4	11.3	10.3
90°	0.9	10.8	18.1	22.6	24.4
92.5°	22.6	19.0	21.7	23.5	24.4
95°	58.8	28.9	35.3	39.8	38.9
97.5°	105.8	31.6	46.1	48.8	49.7
100°	160.0	36.2	51.5	58.8	60.6
102.5°	219.7	217.9	53.3	63.3	66.0
105°	274.8	302.0	55.1	65.1	68.7
107.5°	339.0	361.6	57.0	66.9	70.5
110°	400.5	419.5	158.2	67.8	71.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	458.4	474.6	459.3	69.6	72.3
115°	519.8	535.2	557.8	139.2	74.1
117.5°	573.2	591.2	606.6	477.3	240.5
120°	632.8	646.4	662.7	673.5	551.5
122.5°	683.5	697.9	716.0	721.4	722.3
125°	735.0	746.7	763.9	770.3	773.0
127.5°	782.0	794.7	808.2	817.3	818.2
130°	826.3	840.8	850.7	860.7	859.8
132.5°	871.5	883.3	893.2	901.3	900.4
135°	909.5	923.9	932.1	941.1	939.3
137.5°	949.3	960.1	969.1	978.2	975.5
140°	988.1	995.4	1005.3	1013.4	1008.9
142.5°	1020.7	1027.0	1038.8	1046.0	1041.5
145°	1055.0	1054.1	1069.5	1075.8	1071.3
147.5°	1084.9	1082.2	1097.5	1102.0	1098.4
150°	1113.8	1107.5	1121.9	1127.4	1122.8
152.5°	1138.2	1131.0	1144.5	1150.0	1143.6
155°	1161.7	1153.6	1164.4	1169.8	1162.6
157.5°	1180.7	1173.5	1181.6	1187.9	1180.7
160°	1197.0	1191.5	1197.0	1202.4	1196.1
162.5°	1211.4	1206.0	1210.5	1216.9	1208.7
165°	1224.1	1218.7	1221.4	1227.7	1221.4
167.5°	1234.0	1228.6	1231.3	1237.6	1229.5
170°	1242.2	1236.7	1238.6	1244.9	1236.7
172.5°	1247.6	1242.2	1244.0	1250.3	1242.2
175°	1252.1	1245.8	1247.6	1253.9	1244.9
177.5°	1253.9	1247.6	1248.5	1254.8	1246.7
180°	1249.4	1249.4	1249.4	1249.4	1249.4

(END OF REPORT)