

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: P1027584

Luminaire Tested: S125DIP-B1270D1270UB30-4F0-XX-W2A-D1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027584
REPORT IS A COMBINATION OF REPORTS P1001607 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B1270D1270UB30-4F0-XX-W2A-D1
Description: Define 5 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

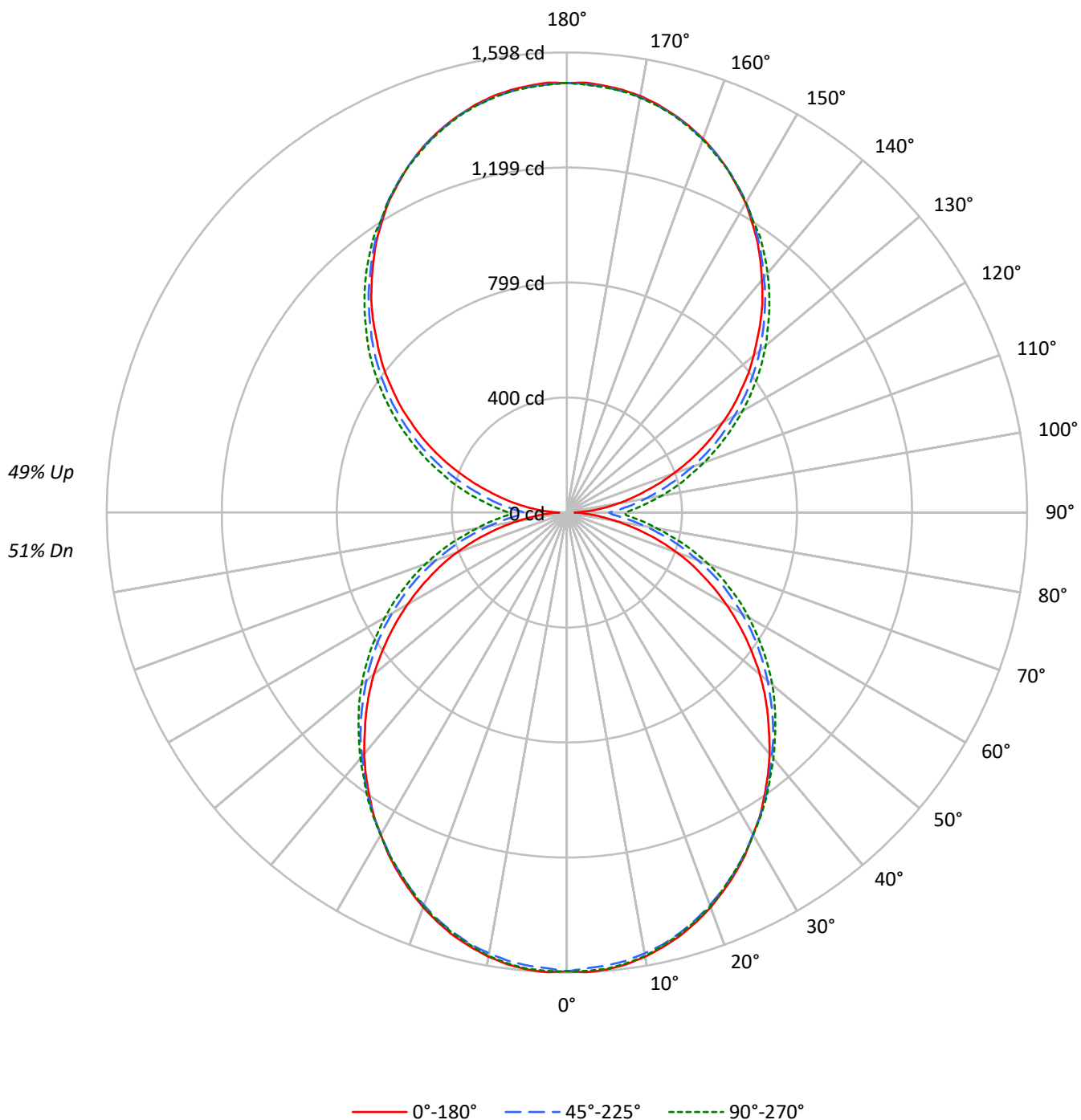
Lumens per Lamp: N/A
Luminaire Lumens: 9104.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 96.3
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	84	84	84		70	70	70		57
1	97	93	88	85	90	86	82	79	72	70	67		60	58	57		49
2	88	80	74	69	81	74	69	64	63	59	55		53	49	47		43
3	80	70	63	57	74	65	58	53	55	50	46		46	42	39		38
4	73	62	54	48	67	58	50	45	49	43	39		41	37	33		34
5	67	55	47	41	62	51	44	38	44	38	33		37	32	29		30
6	62	50	41	35	57	46	39	33	39	33	29		33	29	25		27
7	57	45	37	31	53	42	34	29	36	30	26		30	26	22		25
8	53	41	33	27	49	38	31	26	32	27	23		28	23	20		23
9	49	37	29	24	46	34	28	23	30	24	20		25	21	18		21
10	46	34	27	22	43	32	25	21	27	22	18		23	19	16		20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10211	10211	10211
5°	10228	9997	10021
10°	10151	9793	9765
15°	10027	9556	9450
20°	9860	9269	9137
25°	9663	8965	8759
30°	9423	8632	8414
35°	9200	8326	8097
40°	8973	8003	7777
45°	8715	7723	7490
50°	8469	7419	7230
55°	8173	7129	6929
60°	7848	6799	6620
65°	7510	6451	6273
70°	7120	5985	5910
75°	6510	5524	5469
80°	5707	4966	4980
85°	4911	4519	4723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8715 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.7
10°-20°	428.1	4.7
20°-30°	636.6	7.0
30°-40°	754.0	8.3
40°-50°	779.5	8.6
50°-60°	718.0	7.9
60°-70°	580.5	6.4
70°-80°	388.4	4.3
80°-90°	203.1	2.2
90°-100°	212.3	2.3
100°-110°	378.1	4.2
110°-120°	555.7	6.1
120°-130°	689.7	7.6
130°-140°	751.3	8.3
140°-150°	725.6	8.0
150°-160°	607.2	6.7
160°-170°	403.6	4.4
170°-180°	141.3	1.6
0°-30°	1215.5	13.4
0°-40°	1969.5	21.6
0°-60°	3467.0	38.1
0°-90°	4638.9	51.0
90°-120°	1146.2	12.6
90°-150°	3312.9	36.4
90°-180°	4465.0	49.0
0°-180°	9104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1594	1594	1594	1594	1594	
5°	1594	1591	1580	1592	1591	151
15°	1522	1523	1512	1522	1516	429
25°	1383	1388	1378	1384	1376	637
35°	1197	1208	1203	1208	1208	749
45°	986	1003	1011	1022	1023	761
55°	758	783	808	825	831	677
65°	522	558	595	619	625	518
75°	288	328	378	409	417	305
85°	86	138	192	227	239	90
90°	26	86	147	188	203	22
95°	96	139	204	246	259	95
105°	279	310	363	402	416	297
115°	510	525	568	595	604	504
125°	737	742	774	797	804	660
135°	953	958	970	991	994	735
145°	1152	1156	1159	1167	1170	720
155°	1317	1317	1318	1323	1317	607
165°	1432	1430	1431	1435	1428	404
175°	1489	1484	1484	1491	1483	141
180°	1492	1492	1492	1492	1492	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1593.7	1593.7	1593.7	1593.7	1593.7
2.5°	1598.4	1595.3	1584.3	1595.3	1593.7
5°	1593.7	1590.6	1579.6	1592.1	1590.6
7.5°	1582.8	1581.2	1570.3	1581.2	1579.6
10°	1567.1	1567.1	1554.6	1565.6	1564.0
12.5°	1545.3	1546.8	1537.5	1545.3	1540.6
15°	1521.8	1523.4	1512.5	1521.8	1515.6
17.5°	1492.1	1495.3	1484.3	1492.1	1487.5
20°	1459.3	1462.5	1451.5	1456.2	1456.2
22.5°	1421.8	1428.1	1415.6	1421.8	1417.1
25°	1382.8	1387.5	1378.1	1384.3	1376.5
27.5°	1340.6	1346.8	1335.9	1340.6	1337.5
30°	1292.1	1301.5	1292.1	1295.3	1293.7
32.5°	1248.4	1256.2	1250.0	1253.1	1251.5
35°	1196.8	1207.8	1203.1	1207.8	1207.8
37.5°	1146.8	1156.2	1154.7	1160.9	1159.3
40°	1095.3	1107.8	1106.2	1112.5	1115.6
42.5°	1039.0	1056.2	1060.9	1068.7	1068.7
45°	985.9	1003.1	1010.9	1021.8	1023.4
47.5°	931.2	946.8	959.3	975.0	978.1
50°	875.0	892.2	909.3	926.5	931.2
52.5°	815.6	837.5	859.3	878.1	881.2
55°	757.8	782.8	807.8	825.0	831.2
57.5°	698.4	728.1	756.2	775.0	779.7
60°	639.0	670.3	701.5	725.0	729.7
62.5°	581.2	612.5	646.9	673.4	679.7
65°	521.9	557.8	595.3	618.7	625.0
67.5°	467.2	501.5	539.0	567.2	575.0
70°	406.2	442.2	482.8	512.5	521.9
72.5°	346.9	384.4	429.7	462.5	468.7
75°	287.5	328.1	378.1	409.4	417.2
77.5°	229.7	276.6	323.4	357.8	364.1
80°	176.6	223.4	276.6	310.9	317.2
82.5°	128.1	178.1	232.8	265.6	278.1
85°	85.9	137.5	192.2	226.6	239.1
87.5°	54.7	104.7	157.8	193.7	204.7
90°	26.2	85.5	146.7	188.5	202.9
92.5°	56.7	107.8	173.0	215.4	228.7
95°	95.8	138.7	203.5	245.9	259.3
97.5°	134.8	173.5	241.3	281.1	293.3
100°	179.8	212.6	277.7	320.9	332.6
102.5°	228.1	263.6	317.8	360.7	373.6
105°	278.9	309.7	363.4	401.7	416.1
107.5°	334.2	361.9	413.0	447.7	457.1
110°	391.8	416.4	463.6	496.8	506.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	452.2	468.6	515.4	544.7	553.3
115°	509.9	525.4	568.4	595.4	603.5
117.5°	568.7	577.7	619.1	646.7	653.1
120°	624.4	634.9	672.0	698.6	703.4
122.5°	683.2	686.0	723.9	747.7	753.6
125°	736.6	742.1	774.5	797.1	803.8
127.5°	794.4	796.2	824.0	846.2	853.3
130°	846.6	850.8	875.0	895.8	901.3
132.5°	897.3	907.7	922.2	942.9	945.7
135°	953.0	958.5	970.5	990.8	994.0
137.5°	1005.3	1010.7	1019.3	1039.2	1039.6
140°	1053.7	1059.5	1064.5	1084.0	1084.5
142.5°	1103.6	1106.7	1111.3	1126.6	1127.0
145°	1152.4	1155.5	1158.9	1166.7	1169.6
147.5°	1196.1	1199.6	1201.9	1208.5	1202.3
150°	1241.4	1240.2	1244.9	1244.9	1244.2
152.5°	1278.6	1280.9	1282.0	1285.5	1280.9
155°	1316.9	1316.9	1318.0	1322.7	1316.9
157.5°	1351.7	1349.4	1350.5	1355.2	1347.1
160°	1381.9	1378.4	1379.6	1384.2	1378.4
162.5°	1408.6	1406.3	1406.3	1412.1	1405.1
165°	1431.8	1429.5	1430.7	1435.3	1428.4
167.5°	1452.7	1448.1	1448.1	1455.1	1448.1
170°	1469.0	1464.4	1464.4	1471.3	1463.2
172.5°	1480.6	1476.0	1476.0	1482.9	1476.0
175°	1488.7	1484.1	1484.1	1491.1	1482.9
177.5°	1494.5	1489.9	1488.7	1495.7	1487.6
180°	1492.2	1492.2	1492.2	1492.2	1492.2

(END OF REPORT)