

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: P1034433

Luminaire Tested: S125DIW-B1270D1560UB2750-4F0-XX-W2A-F_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034433
REPORT IS A COMBINATION OF REPORTS P1003210 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIW-B1270D1560UB2750-4F0-XX-W2A-F_5000K
Description: Define 5 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

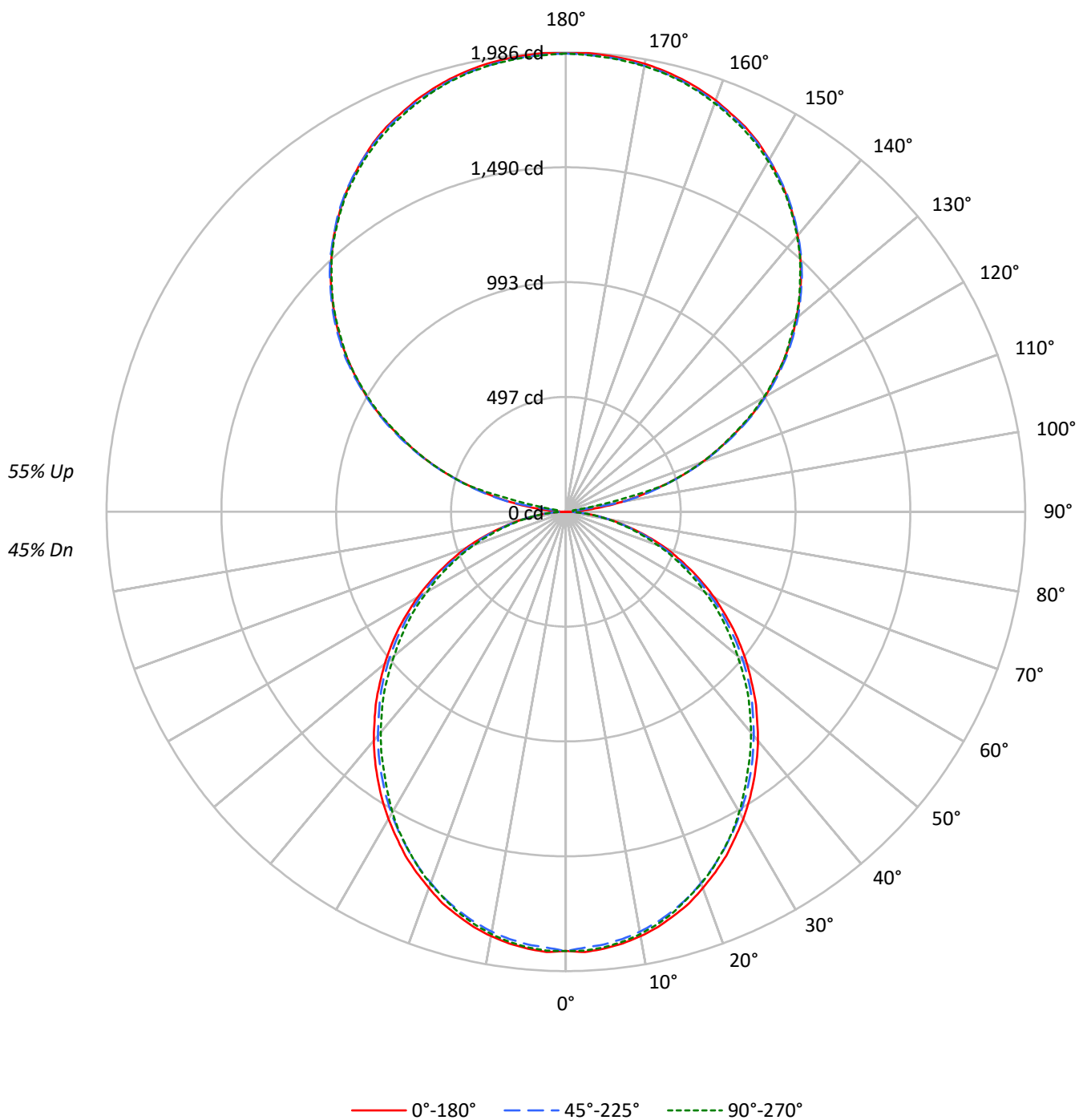
Lumens per Lamp: N/A
Luminaire Lumens: 11032.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 113.5
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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	106	106	106	106	97	97	97	97		80	80	80		65	65	65		51	51	51
1	97	92	88	85	88	85	81	78		70	68	66		57	56	54		45	44	43
2	88	81	74	69	80	74	69	64		62	58	55		50	48	45		40	38	36
3	80	71	63	58	73	65	59	54		54	50	46		44	41	38		35	33	31
4	73	63	55	49	67	58	51	45		48	43	39		40	36	33		32	29	27
5	67	56	48	42	61	51	44	39		43	38	34		36	31	28		28	25	23
6	62	50	42	36	57	46	39	34		39	33	29		32	28	25		26	23	20
7	57	45	37	32	52	42	35	30		35	30	26		29	25	22		23	20	18
8	53	41	33	28	49	38	31	26		32	27	23		27	23	19		22	19	16
9	49	37	30	25	45	35	28	23		29	24	20		24	20	17		20	17	15
10	46	34	27	22	42	32	25	21		27	22	18		23	19	16		18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12168	12168	12168
5°	12168	11886	11908
10°	12068	11613	11577
15°	11910	11287	11186
20°	11695	10909	10738
25°	11465	10497	10258
30°	11187	10068	9753
35°	10891	9618	9186
40°	10585	9142	8683
45°	10254	8678	8148
50°	9889	8152	7525
55°	9529	7571	6951
60°	9098	6960	6284
65°	8583	6253	5594
70°	8060	5438	4798
75°	7178	4478	3880
80°	6117	3345	2854
85°	4723	1977	1572

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10254 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	1.6
10°-20°	506.2	4.6
20°-30°	747.3	6.8
30°-40°	871.9	7.9
40°-50°	875.7	7.9
50°-60°	768.7	7.0
60°-70°	572.6	5.2
70°-80°	327.0	3.0
80°-90°	97.3	0.9
90°-100°	67.2	0.6
100°-110°	447.2	4.1
110°-120°	805.2	7.3
120°-130°	1033.6	9.4
130°-140°	1111.6	10.1
140°-150°	1043.3	9.5
150°-160°	843.9	7.6
160°-170°	545.8	4.9
170°-180°	188.2	1.7
0°-30°	1432.7	13.0
0°-40°	2304.6	20.9
0°-60°	3949.0	35.8
0°-90°	4945.9	44.8
90°-120°	1319.6	12.0
90°-150°	4508.1	40.9
90°-180°	6086.0	55.2
0°-180°	11032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1899	1899	1899	1899	1899	
5°	1896	1893	1878	1892	1890	180
15°	1808	1803	1786	1794	1794	510
25°	1641	1633	1614	1617	1612	755
35°	1417	1411	1390	1382	1370	886
45°	1160	1154	1136	1118	1113	894
55°	884	879	858	844	834	789
65°	596	594	577	563	557	592
75°	317	314	306	302	296	337
85°	83	84	84	83	80	90
90°	2	13	24	31	35	10
95°	84	79	24	31	31	103
105°	432	438	438	438	436	457
115°	811	818	820	814	805	804
125°	1153	1163	1163	1157	1153	1030
135°	1438	1447	1444	1441	1432	1109
145°	1667	1670	1670	1671	1663	1043
155°	1836	1827	1830	1834	1823	846
165°	1937	1928	1930	1939	1927	547
175°	1981	1972	1974	1986	1972	189
180°	1981	1981	1981	1981	1981	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1899.1	1899.1	1899.1	1899.1	1899.1
2.5°	1905.2	1900.6	1885.6	1900.6	1899.1
5°	1896.1	1893.1	1878.1	1891.6	1890.1
7.5°	1882.6	1879.6	1863.1	1876.6	1875.1
10°	1863.1	1860.1	1843.6	1855.6	1854.1
12.5°	1839.0	1833.0	1818.0	1827.0	1827.0
15°	1807.5	1803.0	1786.5	1794.0	1794.0
17.5°	1774.4	1766.9	1750.4	1759.4	1751.9
20°	1730.9	1727.9	1708.3	1718.8	1711.3
22.5°	1687.3	1681.3	1663.3	1669.3	1664.8
25°	1640.7	1633.2	1613.7	1616.7	1612.2
27.5°	1586.6	1582.1	1562.6	1564.1	1559.6
30°	1534.0	1529.5	1507.0	1504.0	1499.5
32.5°	1476.9	1469.4	1449.9	1443.9	1434.9
35°	1416.8	1410.8	1389.8	1382.3	1370.3
37.5°	1355.2	1347.7	1328.2	1317.7	1310.2
40°	1292.1	1284.6	1263.6	1250.1	1245.6
42.5°	1224.5	1218.5	1197.5	1185.5	1177.9
45°	1159.9	1153.9	1135.9	1117.8	1113.3
47.5°	1089.3	1090.8	1068.3	1050.2	1039.7
50°	1021.7	1017.2	999.2	979.6	969.1
52.5°	952.6	949.6	930.0	913.5	901.5
55°	883.5	879.0	857.9	844.4	833.9
57.5°	809.8	808.3	790.3	772.3	767.8
60°	740.7	734.7	718.2	703.2	692.6
62.5°	668.6	664.1	650.6	634.0	626.5
65°	596.5	593.5	577.0	563.4	557.4
67.5°	525.9	519.9	507.8	495.8	492.8
70°	459.8	452.2	438.7	429.7	423.7
72.5°	387.6	383.1	375.6	365.1	359.1
75°	317.0	314.0	306.5	302.0	296.0
77.5°	250.9	249.4	244.9	241.9	237.4
80°	189.3	189.3	186.3	184.8	181.8
82.5°	135.2	132.2	132.2	129.2	129.2
85°	82.6	84.1	84.1	82.6	79.6
87.5°	40.6	40.6	39.1	39.1	36.1
90°	1.5	13.2	23.5	30.8	35.2
92.5°	27.9	14.7	23.5	30.8	32.3
95°	83.7	79.3	23.5	30.8	30.8
97.5°	157.2	166.0	26.4	29.4	30.8
100°	245.3	249.7	255.6	36.7	30.8
102.5°	334.9	340.7	343.7	346.6	223.2
105°	431.8	437.7	437.7	437.7	436.2
107.5°	531.7	531.7	534.6	536.1	530.2
110°	628.6	628.6	631.5	627.1	628.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	719.7	724.1	725.5	719.7	716.7
115°	810.7	818.1	819.5	813.7	804.8
117.5°	906.2	906.2	912.1	903.3	900.3
120°	994.3	992.8	997.2	994.3	987.0
122.5°	1072.2	1079.5	1081.0	1078.0	1069.2
125°	1152.9	1163.2	1163.2	1157.3	1152.9
127.5°	1230.8	1238.1	1236.6	1233.7	1222.0
130°	1301.3	1308.6	1310.1	1305.7	1298.3
132.5°	1371.8	1380.6	1376.2	1376.2	1368.8
135°	1437.9	1446.7	1443.7	1440.8	1432.0
137.5°	1499.5	1508.4	1505.4	1505.4	1498.1
140°	1559.8	1562.7	1561.2	1564.2	1555.4
142.5°	1614.1	1615.6	1618.5	1618.5	1609.7
145°	1667.0	1669.9	1669.9	1671.4	1662.6
147.5°	1714.0	1714.0	1715.4	1716.9	1706.6
150°	1758.0	1755.1	1758.0	1761.0	1749.2
152.5°	1800.6	1793.3	1796.2	1799.2	1788.9
155°	1835.9	1827.1	1830.0	1834.4	1822.7
157.5°	1863.8	1859.4	1859.4	1863.8	1852.0
160°	1893.2	1884.3	1885.8	1891.7	1879.9
162.5°	1916.7	1907.8	1909.3	1918.1	1904.9
165°	1937.2	1928.4	1929.9	1938.7	1926.9
167.5°	1953.4	1944.6	1946.0	1956.3	1943.1
170°	1966.6	1956.3	1957.8	1969.5	1956.3
172.5°	1975.4	1965.1	1968.1	1978.3	1965.1
175°	1981.3	1972.5	1973.9	1985.7	1972.5
177.5°	1985.7	1976.9	1978.3	1988.6	1976.9
180°	1981.3	1981.3	1981.3	1981.3	1981.3

(END OF REPORT)