

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: P1035802

Luminaire Tested: S125RDIW-B1270D1340UB35-4F0-XX-W2A-F

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1035802
REPORT IS A COMBINATION OF REPORTS P1006212 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIW-B1270D1340UB35-4F0-XX-W2A-F
Description: Define 5 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

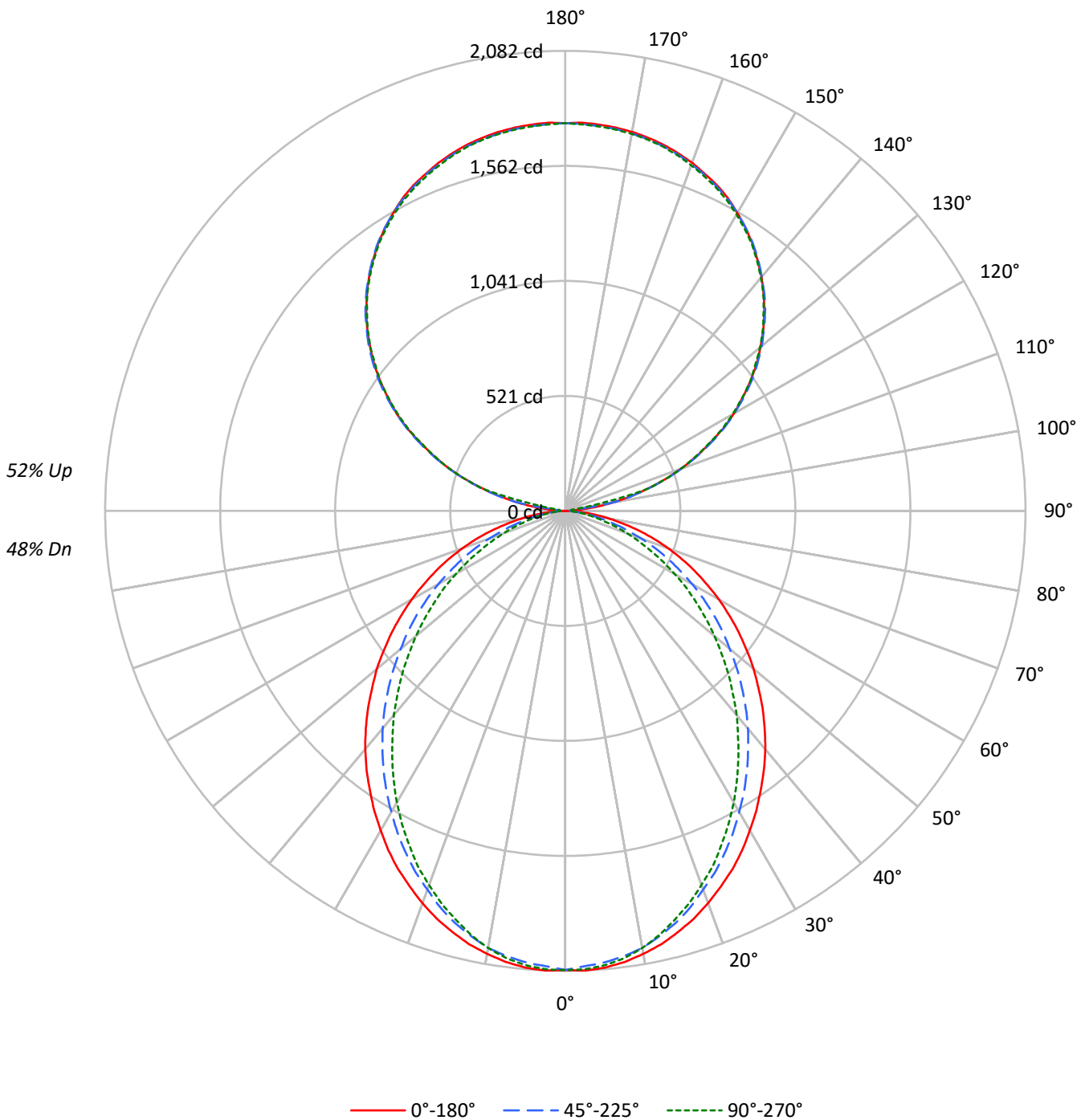
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10302.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 103.4
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	82	76	71	82	75	70	66	64	60	56	53	50	48	43	41	39	34	34	34	34
3	81	72	65	59	74	66	60	55	56	52	48	47	43	40	38	35	33	29	29	29	29
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25	25	25	25
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	31	28	25	22	22	22	22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22	19	19	19	19
7	58	46	38	33	53	43	36	31	37	31	27	31	27	24	25	22	20	17	17	17	17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	16	16	16	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14	14	14	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13	13	13	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13313	13313	13313
5°	13314	12981	13001
10°	13184	12653	12542
15°	12997	12195	11938
20°	12766	11645	11304
25°	12501	11107	10624
30°	12177	10515	9911
35°	11847	9915	9153
40°	11532	9299	8413
45°	11153	8632	7638
50°	10769	7925	6848
55°	10325	7230	6030
60°	9869	6433	5182
65°	9326	5544	4268
70°	8693	4514	3359
75°	7816	3394	2447
80°	6592	2198	1650
85°	4934	1180	930

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11153 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.6	1.9
10°-20°	546.5	5.3
20°-30°	792.4	7.7
30°-40°	902.8	8.8
40°-50°	879.9	8.5
50°-60°	740.5	7.2
60°-70°	518.9	5.0
70°-80°	266.0	2.6
80°-90°	68.9	0.7
90°-100°	59.5	0.6
100°-110°	396.0	3.8
110°-120°	713.2	6.9
120°-130°	915.4	8.9
130°-140°	984.6	9.6
140°-150°	924.1	9.0
150°-160°	747.5	7.3
160°-170°	483.4	4.7
170°-180°	166.7	1.6
0°-30°	1534.4	14.9
0°-40°	2437.2	23.7
0°-60°	4057.7	39.4
0°-90°	4911.6	47.7
90°-120°	1168.8	11.3
90°-150°	3992.8	38.8
90°-180°	5390.0	52.3
0°-180°	10302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2078	2078	2078	2078	2078	
5°	2075	2068	2051	2067	2064	197
15°	1973	1963	1930	1929	1914	556
25°	1789	1766	1707	1687	1670	823
35°	1541	1503	1433	1387	1365	965
45°	1262	1216	1130	1067	1044	973
55°	957	907	819	749	723	856
65°	648	595	512	449	425	642
75°	345	298	232	198	187	365
85°	86	58	50	49	47	95
90°	1	12	21	27	31	9
95°	74	70	21	27	27	91
105°	382	388	388	388	386	405
115°	718	725	726	721	713	712
125°	1021	1030	1030	1025	1021	912
135°	1274	1281	1279	1276	1268	982
145°	1476	1479	1479	1480	1472	923
155°	1626	1618	1621	1625	1614	749
165°	1716	1708	1709	1717	1707	485
175°	1755	1747	1748	1759	1747	167
180°	1755	1755	1755	1755	1755	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2077.8	2077.8	2077.8	2077.8	2077.8
2.5°	2082.5	2077.8	2062.1	2077.8	2076.2
5°	2074.6	2068.3	2051.1	2066.8	2063.6
7.5°	2058.9	2052.6	2032.2	2044.8	2041.7
10°	2035.4	2030.7	2008.7	2013.4	2008.7
12.5°	2008.7	2002.4	1971.0	1974.2	1966.3
15°	1972.6	1963.2	1930.2	1928.7	1914.5
17.5°	1935.0	1920.8	1881.6	1873.7	1862.8
20°	1889.4	1873.7	1823.5	1815.7	1801.6
22.5°	1839.2	1823.5	1770.2	1752.9	1741.9
25°	1789.0	1765.5	1707.4	1687.0	1669.7
27.5°	1732.5	1704.3	1643.1	1616.4	1599.1
30°	1669.7	1639.9	1574.0	1537.9	1523.8
32.5°	1608.5	1572.4	1505.0	1464.2	1445.3
35°	1541.1	1503.4	1432.8	1387.3	1365.3
37.5°	1476.7	1431.2	1359.0	1305.7	1283.7
40°	1407.7	1360.6	1285.3	1225.6	1206.8
42.5°	1335.5	1286.8	1208.4	1151.9	1122.1
45°	1261.7	1216.2	1129.9	1067.1	1043.6
47.5°	1184.8	1137.7	1051.4	987.1	960.4
50°	1112.6	1060.8	971.4	905.5	881.9
52.5°	1034.2	980.8	897.6	825.5	801.9
55°	957.3	907.1	819.2	748.6	723.4
57.5°	878.8	825.5	740.7	671.7	649.7
60°	803.5	748.6	663.8	594.8	571.2
62.5°	723.4	671.7	585.3	522.6	499.0
65°	648.1	594.8	511.6	448.8	425.3
67.5°	572.8	519.4	439.4	379.8	360.9
70°	495.9	442.5	364.1	315.4	296.6
72.5°	420.6	368.8	296.6	252.7	241.7
75°	345.2	298.2	232.3	197.7	186.7
77.5°	268.4	230.7	175.8	149.1	139.7
80°	204.0	166.3	122.4	108.3	105.1
82.5°	141.2	108.3	81.6	76.9	75.3
85°	86.3	58.1	50.2	48.6	47.1
87.5°	36.1	25.1	23.5	23.5	22.0
90°	1.3	11.7	20.8	27.3	31.2
92.5°	24.7	13.0	20.8	27.3	28.6
95°	74.1	70.2	20.8	27.3	27.3
97.5°	139.2	147.0	23.4	26.0	27.3
100°	217.2	221.1	226.3	32.5	27.3
102.5°	296.6	301.8	304.4	307.0	197.7
105°	382.4	387.6	387.6	387.6	386.3
107.5°	470.9	470.9	473.5	474.8	469.6
110°	556.8	556.8	559.4	555.5	556.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	637.4	641.3	642.6	637.4	634.8
115°	718.1	724.6	725.9	720.7	712.8
117.5°	802.6	802.6	807.8	800.0	797.4
120°	880.7	879.4	883.3	880.7	874.2
122.5°	949.6	956.1	957.4	954.8	947.0
125°	1021.1	1030.3	1030.3	1025.0	1021.1
127.5°	1090.1	1096.6	1095.3	1092.7	1082.3
130°	1152.5	1159.0	1160.3	1156.4	1149.9
132.5°	1215.0	1222.8	1218.9	1218.9	1212.4
135°	1273.5	1281.3	1278.7	1276.1	1268.3
137.5°	1328.1	1335.9	1333.3	1333.3	1326.8
140°	1381.5	1384.1	1382.8	1385.4	1377.6
142.5°	1429.6	1430.9	1433.5	1433.5	1425.7
145°	1476.4	1479.0	1479.0	1480.3	1472.5
147.5°	1518.1	1518.1	1519.4	1520.7	1511.6
150°	1557.1	1554.5	1557.1	1559.7	1549.3
152.5°	1594.8	1588.3	1590.9	1593.5	1584.4
155°	1626.0	1618.2	1620.8	1624.7	1614.3
157.5°	1650.7	1646.8	1646.8	1650.7	1640.3
160°	1676.8	1669.0	1670.3	1675.5	1665.1
162.5°	1697.6	1689.8	1691.1	1698.9	1687.2
165°	1715.8	1708.0	1709.3	1717.1	1706.7
167.5°	1730.1	1722.3	1723.6	1732.7	1721.0
170°	1741.8	1732.7	1734.0	1744.4	1732.7
172.5°	1749.6	1740.5	1743.1	1752.2	1740.5
175°	1754.8	1747.0	1748.3	1758.7	1747.0
177.5°	1758.7	1750.9	1752.2	1761.3	1750.9
180°	1754.8	1754.8	1754.8	1754.8	1754.8

(END OF REPORT)