

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: P1035779

Luminaire Tested: S125RDIW-B1270D1050UB30-4F0-XX-W2A-F1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1035779
REPORT IS A COMBINATION OF REPORTS P1006163 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIW-B1270D1050UB30-4F0-XX-W2A-F1
Description: Define 5 Regressed Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

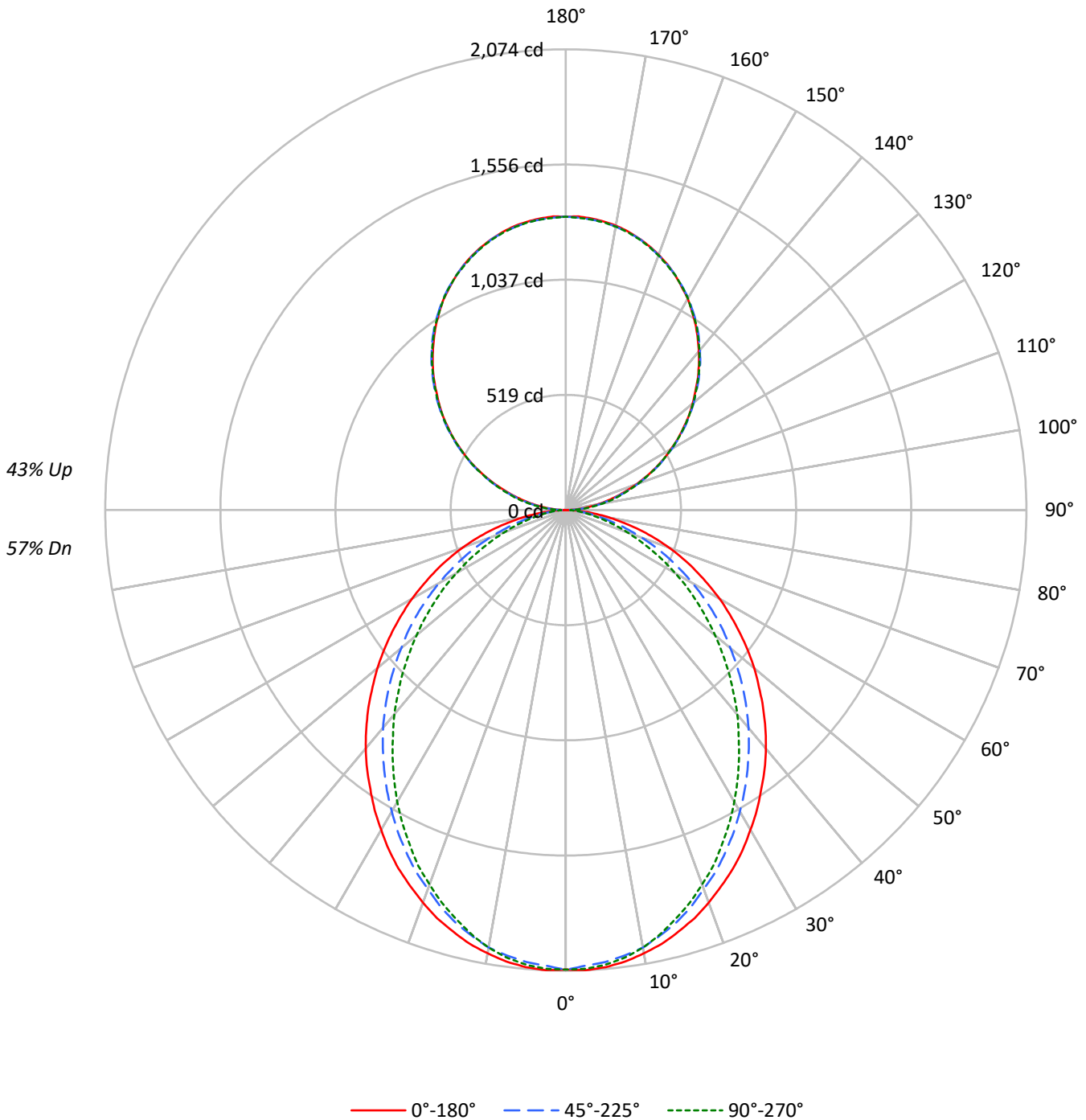
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8576.0 lumens
Efficiency: N/A
Efficacy: 92.4 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): 92.8
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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57	57	57
1	100	95	92	88	93	89	86	83	77	74	72	66	64	63	56	55	53	49	49	49
2	91	84	77	72	84	78	73	68	68	64	60	58	55	53	49	47	45	41	41	41
3	83	74	66	61	77	69	62	57	60	55	51	52	48	45	44	41	39	35	35	35
4	76	65	57	51	71	61	54	49	53	48	44	46	42	39	39	36	34	30	30	30
5	70	58	50	44	65	55	48	42	48	42	38	42	37	34	36	32	29	26	26	26
6	65	52	44	39	60	49	42	37	43	37	33	38	33	30	32	29	26	23	23	23
7	60	47	40	34	56	45	37	32	39	34	29	34	30	26	30	26	23	21	21	21
8	56	43	35	30	52	41	34	29	36	30	26	31	27	23	27	24	21	19	19	19
9	52	40	32	27	48	37	30	26	33	27	23	29	24	21	25	22	19	17	17	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13256	13256	13256
5°	13257	12925	12946
10°	13128	12599	12488
15°	12942	12144	11887
20°	12712	11595	11256
25°	12448	11059	10579
30°	12125	10471	9869
35°	11796	9872	9114
40°	11482	9259	8377
45°	11106	8595	7605
50°	10724	7891	6819
55°	10281	7199	6005
60°	9826	6406	5161
65°	9285	5520	4250
70°	8656	4494	3344
75°	7785	3379	2437
80°	6563	2189	1644
85°	4911	1176	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11106 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.7	2.3
10°-20°	544.2	6.3
20°-30°	789.0	9.2
30°-40°	898.9	10.5
40°-50°	876.2	10.2
50°-60°	737.4	8.6
60°-70°	516.7	6.0
70°-80°	264.9	3.1
80°-90°	68.1	0.8
90°-100°	87.8	1.0
100°-110°	260.9	3.0
110°-120°	442.5	5.2
120°-130°	582.5	6.8
130°-140°	652.7	7.6
140°-150°	639.8	7.5
150°-160°	537.4	6.3
160°-170°	357.2	4.2
170°-180°	125.0	1.5
0°-30°	1527.9	17.8
0°-40°	2426.8	28.3
0°-60°	4040.3	47.1
0°-90°	4890.0	57.0
90°-120°	791.2	9.2
90°-150°	2666.2	31.1
90°-180°	3686.0	43.0
0°-180°	8576.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2069	2069	2069	2069	2069	
5°	2066	2060	2042	2058	2055	196
15°	1964	1955	1922	1920	1906	554
25°	1781	1758	1700	1680	1663	820
35°	1534	1497	1427	1381	1360	961
45°	1256	1211	1125	1063	1039	969
55°	953	903	816	745	720	852
65°	645	592	509	447	424	639
75°	344	297	231	197	186	363
85°	86	58	50	48	47	94
90°	1	9	16	22	25	9
95°	67	69	79	86	88	70
105°	234	240	246	252	255	250
115°	443	447	449	448	447	438
125°	646	653	654	652	651	579
135°	841	847	848	848	844	648
145°	1018	1023	1026	1026	1023	637
155°	1166	1166	1166	1171	1166	537
165°	1267	1265	1266	1270	1264	358
175°	1318	1314	1314	1320	1312	125
180°	1321	1321	1321	1321	1321	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2068.9	2068.9	2068.9	2068.9	2068.9
2.5°	2073.6	2068.9	2053.2	2068.9	2067.3
5°	2065.7	2059.5	2042.3	2057.9	2054.8
7.5°	2050.1	2043.9	2023.6	2036.1	2032.9
10°	2026.7	2022.0	2000.1	2004.8	2000.1
12.5°	2000.1	1993.9	1962.6	1965.7	1957.9
15°	1964.2	1954.8	1922.0	1920.4	1906.4
17.5°	1926.7	1912.6	1873.5	1865.7	1854.8
20°	1881.4	1865.7	1815.7	1807.9	1793.9
22.5°	1831.4	1815.7	1762.6	1745.4	1734.5
25°	1781.4	1757.9	1700.1	1679.8	1662.6
27.5°	1725.1	1697.0	1636.0	1609.5	1592.3
30°	1662.6	1632.9	1567.3	1531.3	1517.3
32.5°	1601.7	1565.7	1498.5	1457.9	1439.1
35°	1534.5	1497.0	1426.6	1381.3	1359.5
37.5°	1470.4	1425.1	1353.2	1300.1	1278.2
40°	1401.6	1354.8	1279.8	1220.4	1201.6
42.5°	1329.8	1281.3	1203.2	1146.9	1117.3
45°	1256.3	1211.0	1125.1	1062.6	1039.1
47.5°	1179.8	1132.9	1046.9	982.9	956.3
50°	1107.9	1056.3	967.2	901.6	878.2
52.5°	1029.7	976.6	893.8	821.9	798.5
55°	953.2	903.2	815.7	745.4	720.4
57.5°	875.1	821.9	737.5	668.8	646.9
60°	800.0	745.4	661.0	592.2	568.8
62.5°	720.4	668.8	582.8	520.3	496.9
65°	645.3	592.2	509.4	446.9	423.5
67.5°	570.3	517.2	437.5	378.1	359.4
70°	493.8	440.7	362.5	314.1	295.3
72.5°	418.8	367.2	295.3	251.6	240.6
75°	343.8	296.9	231.3	196.9	185.9
77.5°	267.2	229.7	175.0	148.4	139.1
80°	203.1	165.6	121.9	107.8	104.7
82.5°	140.6	107.8	81.3	76.6	75.0
85°	85.9	57.8	50.0	48.4	46.9
87.5°	35.9	25.0	23.4	23.4	21.9
90°	1.0	9.2	16.4	21.6	24.7
92.5°	30.8	36.0	45.2	52.4	54.5
95°	66.8	68.9	79.1	86.3	88.4
97.5°	102.8	103.8	118.2	124.4	125.4
100°	143.9	143.9	157.2	166.5	168.6
102.5°	188.1	193.2	198.4	208.6	211.7
105°	234.3	239.5	245.6	251.8	254.9
107.5°	284.7	289.8	295.0	298.1	298.1
110°	337.1	342.2	345.3	348.4	347.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	390.6	392.6	396.7	397.7	395.7
115°	443.0	447.1	449.1	448.1	447.1
117.5°	496.4	497.4	499.5	500.5	496.4
120°	545.7	550.9	551.9	551.9	547.8
122.5°	599.2	600.2	603.3	602.3	599.2
125°	646.5	652.6	653.7	651.6	650.6
127.5°	698.9	702.0	703.0	702.0	699.9
130°	745.1	750.3	752.3	751.3	749.2
132.5°	791.4	800.6	799.6	798.6	795.5
135°	840.7	846.9	847.9	847.9	843.8
137.5°	887.0	893.1	895.2	896.2	891.1
140°	931.2	936.3	939.4	941.4	936.3
142.5°	975.4	979.5	983.6	984.6	979.5
145°	1018.5	1022.6	1025.7	1025.7	1022.6
147.5°	1058.6	1061.7	1063.7	1066.8	1058.6
150°	1098.7	1097.7	1101.8	1101.8	1099.7
152.5°	1131.6	1133.6	1134.7	1137.7	1133.6
155°	1165.5	1165.5	1166.5	1170.6	1165.5
157.5°	1196.3	1194.3	1195.3	1199.4	1192.2
160°	1223.1	1220.0	1221.0	1225.1	1220.0
162.5°	1246.7	1244.6	1244.6	1249.8	1243.6
165°	1267.2	1265.2	1266.2	1270.3	1264.2
167.5°	1285.7	1281.6	1281.6	1287.8	1281.6
170°	1300.1	1296.0	1296.0	1302.2	1295.0
172.5°	1310.4	1306.3	1306.3	1312.5	1306.3
175°	1317.6	1313.5	1313.5	1319.7	1312.5
177.5°	1322.7	1318.6	1317.6	1323.8	1316.6
180°	1320.7	1320.7	1320.7	1320.7	1320.7

(END OF REPORT)