

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: P1034561

Luminaire Tested: S125DIW-B610D1340UB2750-4F0-XX-W2A-D_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034561
REPORT IS A COMBINATION OF REPORTS P1003794 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIW-B610D1340UB2750-4F0-XX-W2A-D_3000K
Description: Define 5 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

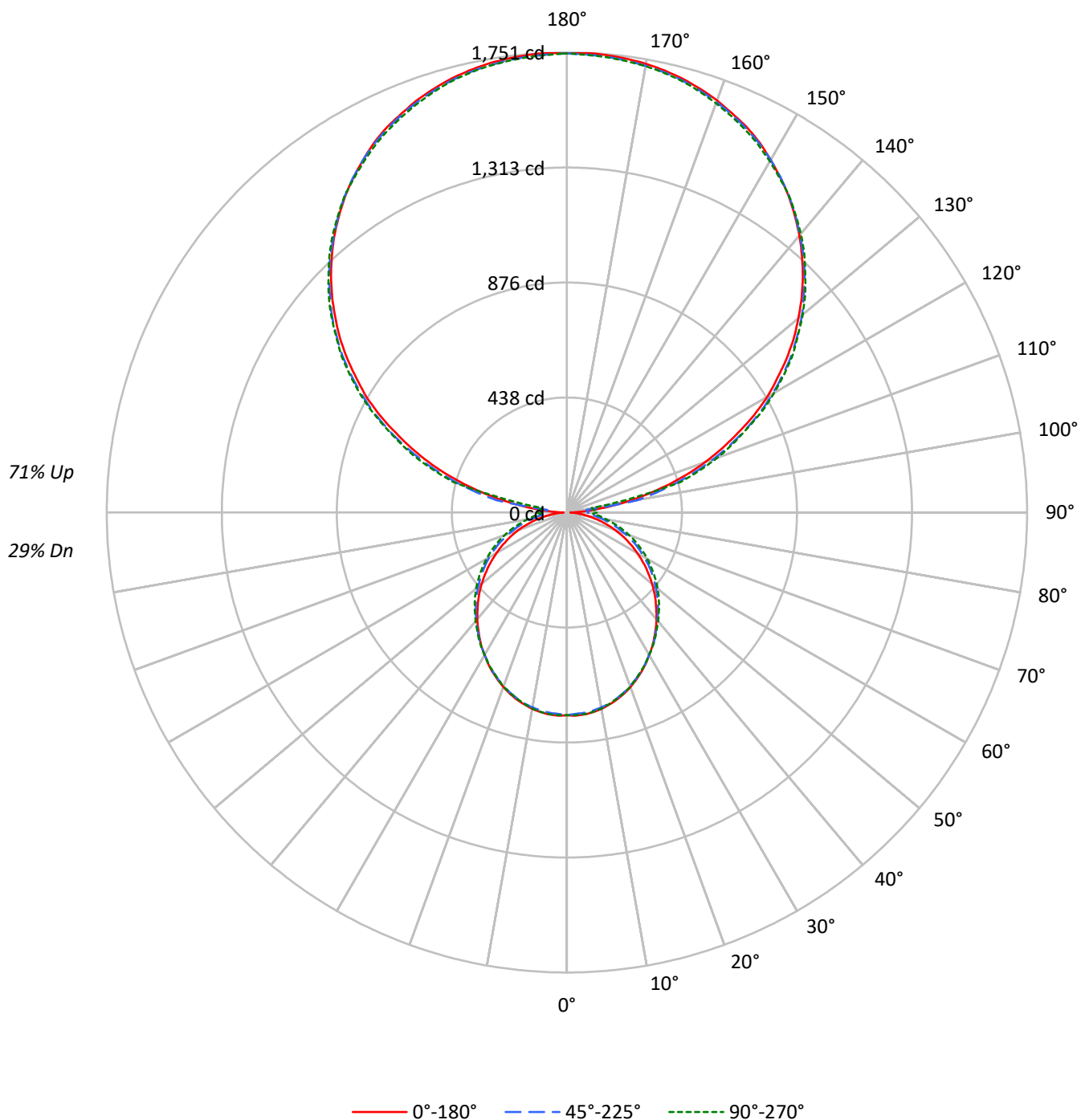
Lumens per Lamp: N/A
Luminaire Lumens: 7761.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 66.1
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	102	102	102	102	91	91	91	91	72	72	72	53	53	53	37	37	37
1	93	88	84	81	83	79	76	73	62	60	58	46	45	44	32	31	30
2	84	77	71	66	75	69	64	59	54	50	47	40	38	36	28	26	25
3	77	67	60	54	68	60	54	49	47	43	40	36	33	30	24	23	21
4	70	59	52	46	62	53	47	42	42	37	34	32	28	26	22	20	18
5	64	53	45	39	57	47	41	35	37	32	29	28	25	22	19	17	16
6	59	47	39	33	52	42	36	31	34	29	25	25	22	19	18	15	14
7	54	42	35	29	48	38	31	27	30	25	22	23	19	17	16	14	12
8	50	38	31	26	45	35	28	23	28	23	19	21	17	15	15	12	11
9	47	35	27	23	42	31	25	21	25	20	17	19	16	13	14	11	10
10	43	32	25	20	39	29	23	18	23	18	15	18	14	12	13	10	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4945	4945	4945
5°	4953	4841	4853
10°	4916	4743	4730
15°	4856	4628	4577
20°	4776	4489	4425
25°	4680	4342	4242
30°	4564	4181	4075
35°	4455	4032	3921
40°	4345	3876	3767
45°	4221	3740	3627
50°	4102	3593	3502
55°	3958	3453	3356
60°	3801	3293	3206
65°	3636	3124	3038
70°	3448	2898	2862
75°	3152	2675	2648
80°	2763	2404	2411
85°	2378	2189	2288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4221 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	0.9
10°-20°	207.3	2.7
20°-30°	308.3	4.0
30°-40°	365.1	4.7
40°-50°	377.5	4.9
50°-60°	347.7	4.5
60°-70°	281.1	3.6
70°-80°	188.1	2.4
80°-90°	99.8	1.3
90°-100°	114.1	1.5
100°-110°	434.7	5.6
110°-120°	737.2	9.5
120°-130°	926.8	11.9
130°-140°	987.1	12.7
140°-150°	921.4	11.9
150°-160°	744.3	9.6
160°-170°	481.3	6.2
170°-180°	166.0	2.1
0°-30°	588.7	7.6
0°-40°	953.8	12.3
0°-60°	1679.1	21.6
0°-90°	2248.1	29.0
90°-120°	1286.0	16.6
90°-150°	4121.3	53.1
90°-180°	5513.0	71.0
0°-180°	7761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	772	772	772	772	772	
5°	772	770	765	771	770	73
15°	737	738	732	737	734	208
25°	670	672	667	670	667	308
35°	580	585	583	585	585	363
45°	478	486	490	495	496	368
55°	367	379	391	400	403	328
65°	253	270	288	300	303	251
75°	139	159	183	198	202	148
85°	42	67	93	110	116	43
90°	13	48	83	107	116	12
95°	84	99	76	99	104	98
105°	388	405	428	443	447	411
115°	720	731	752	761	758	713
125°	1020	1028	1043	1050	1050	911
135°	1270	1277	1279	1287	1283	979
145°	1471	1473	1473	1478	1473	920
155°	1619	1611	1614	1618	1607	746
165°	1708	1701	1702	1710	1699	483
175°	1747	1740	1741	1751	1740	166
180°	1747	1747	1747	1747	1747	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	771.8	771.8	771.8	771.8	771.8
2.5°	774.1	772.6	767.3	772.6	771.8
5°	771.8	770.3	765.0	771.1	770.3
7.5°	766.5	765.8	760.5	765.8	765.0
10°	759.0	759.0	752.9	758.2	757.5
12.5°	748.4	749.1	744.6	748.4	746.1
15°	737.0	737.8	732.5	737.0	734.0
17.5°	722.6	724.2	718.9	722.6	720.4
20°	706.8	708.3	703.0	705.2	705.2
22.5°	688.6	691.6	685.6	688.6	686.3
25°	669.7	671.9	667.4	670.4	666.7
27.5°	649.2	652.3	647.0	649.2	647.7
30°	625.8	630.3	625.8	627.3	626.5
32.5°	604.6	608.4	605.4	606.9	606.1
35°	579.6	584.9	582.7	584.9	584.9
37.5°	555.4	560.0	559.2	562.2	561.5
40°	530.4	536.5	535.7	538.8	540.3
42.5°	503.2	511.5	513.8	517.6	517.6
45°	477.5	485.8	489.6	494.9	495.6
47.5°	451.0	458.6	464.6	472.2	473.7
50°	423.8	432.1	440.4	448.7	451.0
52.5°	395.0	405.6	416.2	425.3	426.8
55°	367.0	379.1	391.2	399.5	402.6
57.5°	338.2	352.6	366.2	375.3	377.6
60°	309.5	324.6	339.8	351.1	353.4
62.5°	281.5	296.6	313.3	326.1	329.2
65°	252.7	270.1	288.3	299.7	302.7
67.5°	226.3	242.9	261.1	274.7	278.5
70°	196.7	214.1	233.8	248.2	252.7
72.5°	168.0	186.1	208.1	224.0	227.0
75°	139.2	158.9	183.1	198.3	202.0
77.5°	111.2	133.9	156.6	173.3	176.3
80°	85.5	108.2	133.9	150.6	153.6
82.5°	62.0	86.3	112.7	128.6	134.7
85°	41.6	66.6	93.1	109.7	115.8
87.5°	26.5	50.7	76.4	93.8	99.1
90°	13.4	48.0	82.7	106.7	115.9
92.5°	35.2	45.5	79.7	102.9	109.5
95°	83.6	99.4	75.9	99.1	104.4
97.5°	147.7	173.6	75.5	94.0	100.6
100°	224.6	244.4	273.8	96.7	96.1
102.5°	302.9	322.4	348.5	366.2	262.0
105°	387.6	404.9	427.6	442.8	446.7
107.5°	475.0	485.5	510.1	526.5	525.9
110°	559.7	568.8	592.6	603.0	609.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	640.0	650.7	672.4	680.9	683.6
115°	719.5	731.3	752.3	760.7	757.5
117.5°	803.0	806.8	830.9	835.9	838.6
120°	880.7	881.7	903.0	913.2	911.3
122.5°	948.5	955.8	973.7	983.2	980.1
125°	1019.8	1028.2	1043.3	1050.2	1050.1
127.5°	1087.7	1093.4	1105.0	1113.7	1108.0
130°	1149.9	1155.6	1167.5	1174.2	1171.5
132.5°	1211.3	1219.1	1222.8	1233.4	1229.9
135°	1269.6	1276.6	1279.4	1286.6	1282.6
137.5°	1324.0	1331.0	1331.5	1340.6	1337.1
140°	1376.4	1379.0	1378.4	1389.3	1384.6
142.5°	1424.3	1424.8	1427.4	1434.2	1429.4
145°	1470.9	1472.7	1472.7	1477.8	1473.0
147.5°	1511.6	1511.6	1512.9	1515.7	1508.1
150°	1550.4	1547.9	1550.4	1553.0	1543.5
152.5°	1588.0	1581.5	1584.1	1586.7	1577.6
155°	1619.1	1611.3	1613.9	1617.8	1607.4
157.5°	1643.7	1639.8	1639.8	1643.7	1633.3
160°	1669.6	1661.8	1663.1	1668.3	1657.9
162.5°	1690.3	1682.6	1683.9	1691.6	1680.0
165°	1708.5	1700.7	1702.0	1709.8	1699.4
167.5°	1722.7	1714.9	1716.2	1725.3	1713.6
170°	1734.4	1725.3	1726.6	1737.0	1725.3
172.5°	1742.1	1733.1	1735.7	1744.7	1733.1
175°	1747.3	1739.6	1740.8	1751.2	1739.6
177.5°	1751.2	1743.4	1744.7	1753.8	1743.4
180°	1747.3	1747.3	1747.3	1747.3	1747.3

(END OF REPORT)