

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: P1028369

Luminaire Tested: S125DIP-B850D610UB50-4F0-XX-W2A-F

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028369
REPORT IS A COMBINATION OF REPORTS P1002656 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B850D610UB50-4F0-XX-W2A-F
Description: Define 5 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

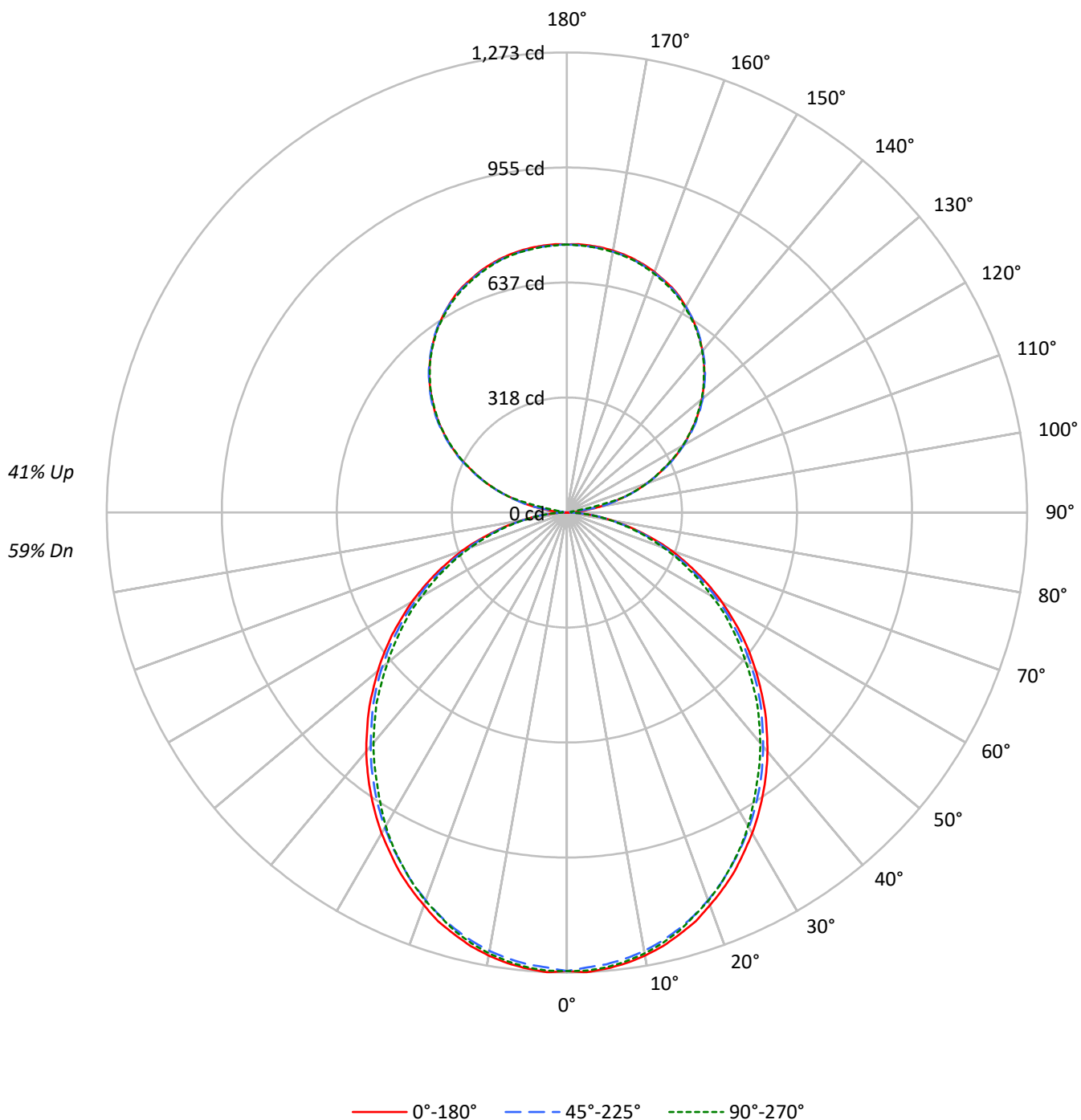
Lumens per Lamp: N/A
Luminaire Lumens: 5582.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 51.3
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	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	65	65	65
1	100	95	91	88	93	89	86	83	78	75	73	67	65	63			

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	2.1
10°-20°	338.2	6.1
20°-30°	499.4	8.9
30°-40°	582.6	10.4
40°-50°	585.2	10.5
50°-60°	513.6	9.2
60°-70°	382.6	6.9
70°-80°	218.5	3.9
80°-90°	64.2	1.1
90°-100°	25.2	0.5
100°-110°	167.3	3.0
110°-120°	301.4	5.4
120°-130°	386.9	6.9
130°-140°	416.1	7.5
140°-150°	390.5	7.0
150°-160°	315.9	5.7
160°-170°	204.3	3.7
170°-180°	70.	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1269.0	1269.0	1269.0	1269.0	1269.0
2.5°	1273.1	1270.0	1260.0	1270.0	1269.0
5°	1267.0	1265.0	1255.0	1264.0	1263.0
7.5°	1258.0	1256.0	1244.9	1254.0	1253.0
10°	1244.9	1242.9	1231.9	1239.9	1238.9
12.5°	1228.9	1224.9	1214.8	1220.8	1220.8
15°	1207.8	1204.8	1193.7	1198.8	1198.8
17.5°	1185.7	1180.7	1169.6	1175.7	1170.6
20°	1156.6	1154.6			

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	269.4	271.0	271.6	269.4	268.3
115°	303.4	306.2	306.7	304.5	301.2
117.5°	339.2	339.2	341.4	338.1	337.0
120°	372.2	371.6	373.3	372.2	369.4
122.5°	401.3	404.0	404.6	403.5	400.2
125°	431.5	435.4	435.4	433.2	431.5
127.5°	460.7	463.4	462.9	461.8	457.4
130°	487.0	489.8	490.3	488.7	485.9
132.5°	513.4	516.7	515.1	515.1	512.3