

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: P1026852

Luminaire Tested: S125DIP-B375D1270UB2750-4F0-XX-W2A-D_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026852
REPORT IS A COMBINATION OF REPORTS P1001896 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B375D1270UB2750-4F0-XX-W2A-D_4000K
Description: Define 5 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

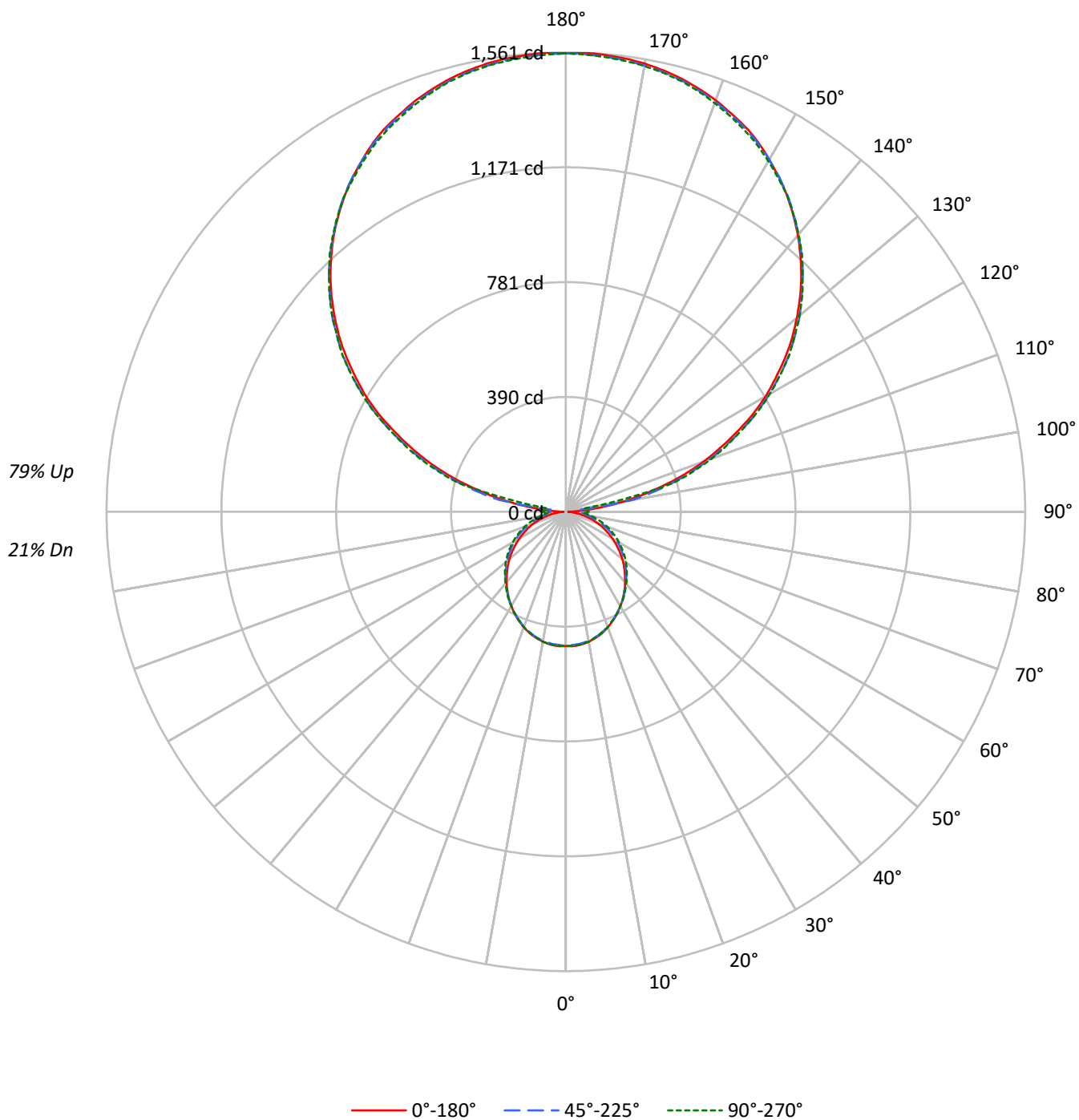
Lumens per Lamp: N/A
Luminaire Lumens: 6201.1 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 48
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	50	30	10
RCR																				
0	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30	30	30	21
1	91	87	83	79	80	77	74	71	58	56	54	41	40	39	26	25	25	25	25	17
2	83	76	70	65	73	67	62	58	51	48	45	36	34	32	23	21	20	20	20	14
3	75	66	59	54	66	59	53	48	45	41	37	32	29	27	20	18	17	17	17	12
4	69	58	51	45	61	52	45	40	40	35	32	28	25	23	18	16	15	15	15	10
5	63	52	44	38	55	46	39	34	35	31	27	25	22	20	16	14	13	13	13	9
6	58	46	38	33	51	41	34	30	32	27	23	23	20	17	14	12	11	11	11	8
7	53	42	34	29	47	37	30	26	28	24	20	21	17	15	13	11	10	10	10	7
8	49	37	30	25	43	33	27	23	26	21	18	19	16	13	12	10	9	9	9	6
9	46	34	27	22	40	30	24	20	24	19	16	17	14	12	11	9	8	8	8	5
10	43	31	24	20	38	28	22	18	22	17	14	16	13	11	10	8	7	7	7	5

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2922	2922	2922
5°	2927	2861	2868
10°	2905	2803	2795
15°	2870	2735	2705
20°	2822	2653	2615
25°	2766	2566	2507
30°	2697	2471	2408
35°	2633	2383	2318
40°	2568	2290	2226
45°	2495	2210	2144
50°	2424	2124	2069
55°	2339	2040	1983
60°	2246	1946	1894
65°	2150	1847	1795
70°	2039	1713	1692
75°	1863	1581	1565
80°	1632	1422	1425
85°	1407	1293	1351

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2495 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	0.7
10°-20°	122.5	2.0
20°-30°	182.2	2.9
30°-40°	215.8	3.5
40°-50°	223.1	3.6
50°-60°	205.5	3.3
60°-70°	166.1	2.7
70°-80°	111.2	1.8
80°-90°	59.8	1.0
90°-100°	85.3	1.4
100°-110°	375.5	6.1
110°-120°	649.2	10.5
120°-130°	821.8	13.3
130°-140°	878.1	14.2
140°-150°	821.2	13.2
150°-160°	663.6	10.7
160°-170°	429.2	6.9
170°-180°	148.0	2.4
0°-30°	347.9	5.6
0°-40°	563.7	9.1
0°-60°	992.3	16.0
0°-90°	1329.4	21.4
90°-120°	1109.9	17.9
90°-150°	3630.9	58.6
90°-180°	4872.0	78.6
0°-180°	6201.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	456	455	452	456	455	43
15°	436	436	433	436	434	123
25°	396	397	394	396	394	182
35°	342	346	344	346	346	214
45°	282	287	289	292	293	218
55°	217	224	231	236	238	194
65°	149	160	170	177	179	148
75°	82	94	108	117	119	87
85°	25	39	55	65	68	26
90°	8	32	55	71	78	8
95°	72	80	51	67	70	85
105°	344	355	369	378	380	364
115°	640	649	662	665	661	635
125°	908	916	925	928	926	811
135°	1132	1138	1139	1142	1138	872
145°	1311	1313	1313	1316	1311	820
155°	1444	1437	1439	1442	1433	665
165°	1523	1516	1518	1524	1515	430
175°	1558	1551	1552	1561	1551	148
180°	1558	1558	1558	1558	1558	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	456.1	456.1	456.1	456.1	456.1
2.5°	457.5	456.6	453.4	456.6	456.1
5°	456.1	455.2	452.1	455.7	455.2
7.5°	453.0	452.5	449.4	452.5	452.1
10°	448.5	448.5	444.9	448.1	447.6
12.5°	442.3	442.7	440.0	442.3	440.9
15°	435.6	436.0	432.9	435.6	433.8
17.5°	427.1	428.0	424.8	427.1	425.7
20°	417.7	418.6	415.4	416.8	416.8
22.5°	406.9	408.7	405.1	406.9	405.6
25°	395.8	397.1	394.4	396.2	394.0
27.5°	383.7	385.5	382.3	383.7	382.8
30°	369.8	372.5	369.8	370.7	370.3
32.5°	357.3	359.5	357.7	358.6	358.2
35°	342.5	345.7	344.3	345.7	345.7
37.5°	328.2	330.9	330.5	332.3	331.8
40°	313.5	317.1	316.6	318.4	319.3
42.5°	297.4	302.3	303.6	305.9	305.9
45°	282.2	287.1	289.3	292.5	292.9
47.5°	266.5	271.0	274.6	279.0	279.9
50°	250.4	255.3	260.3	265.2	266.5
52.5°	233.4	239.7	246.0	251.3	252.2
55°	216.9	224.0	231.2	236.1	237.9
57.5°	199.9	208.4	216.4	221.8	223.1
60°	182.9	191.8	200.8	207.5	208.8
62.5°	166.4	175.3	185.1	192.7	194.5
65°	149.4	159.6	170.4	177.1	178.9
67.5°	133.7	143.5	154.3	162.3	164.6
70°	116.3	126.6	138.2	146.7	149.4
72.5°	99.3	110.0	123.0	132.4	134.2
75°	82.3	93.9	108.2	117.2	119.4
77.5°	65.7	79.2	92.6	102.4	104.2
80°	50.5	63.9	79.2	89.0	90.8
82.5°	36.7	51.0	66.6	76.0	79.6
85°	24.6	39.4	55.0	64.8	68.4
87.5°	15.7	30.0	45.2	55.5	58.6
90°	8.4	31.9	55.2	71.3	77.8
92.5°	28.2	30.7	53.4	69.0	73.2
95°	71.6	79.8	51.1	66.8	69.9
97.5°	129.0	146.6	51.7	63.3	67.7
100°	197.8	210.6	229.6	66.9	65.0
102.5°	267.8	280.9	297.0	308.4	214.0
105°	343.5	355.4	368.8	377.7	379.7
107.5°	421.7	427.9	443.2	453.2	451.3
110°	497.4	502.8	517.6	522.6	526.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	569.0	576.6	589.7	593.2	594.0
115°	640.2	649.1	661.8	665.3	661.1
117.5°	714.8	717.1	732.9	733.6	734.3
120°	784.1	784.3	798.1	803.4	800.2
122.5°	844.9	851.0	862.1	866.9	862.7
125°	908.4	916.0	925.0	927.5	926.3
127.5°	969.1	974.5	980.9	985.3	978.8
130°	1024.5	1029.9	1037.4	1040.1	1036.6
132.5°	1079.6	1086.5	1087.5	1093.7	1089.8
135°	1131.5	1138.0	1138.9	1142.3	1137.6
137.5°	1180.0	1186.5	1186.0	1191.4	1187.4
140°	1226.9	1229.2	1228.5	1235.8	1230.6
142.5°	1269.6	1270.4	1272.7	1276.7	1271.6
145°	1311.2	1313.1	1313.1	1316.5	1311.3
147.5°	1347.8	1347.8	1348.9	1351.0	1343.8
150°	1382.4	1380.1	1382.4	1384.7	1375.9
152.5°	1415.9	1410.1	1412.4	1414.7	1406.7
155°	1443.6	1436.7	1439.0	1442.5	1433.2
157.5°	1465.6	1462.1	1462.1	1465.6	1456.3
160°	1488.7	1481.7	1482.9	1487.5	1478.3
162.5°	1507.1	1500.2	1501.4	1508.3	1497.9
165°	1523.3	1516.4	1517.5	1524.5	1515.2
167.5°	1536.0	1529.1	1530.2	1538.3	1527.9
170°	1546.4	1538.3	1539.5	1548.7	1538.3
172.5°	1553.3	1545.2	1547.6	1555.6	1545.2
175°	1557.9	1551.0	1552.2	1561.4	1551.0
177.5°	1561.4	1554.5	1555.6	1563.7	1554.5
180°	1557.9	1557.9	1557.9	1557.9	1557.9

(END OF REPORT)