

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: P1027906

Luminaire Tested: S125DIP-B375D610UB35-4F0-XX-W2A-D4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027906
REPORT IS A COMBINATION OF REPORTS P1002037 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B375D610UB35-4F0-XX-W2A-D4
Description: Define 5 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

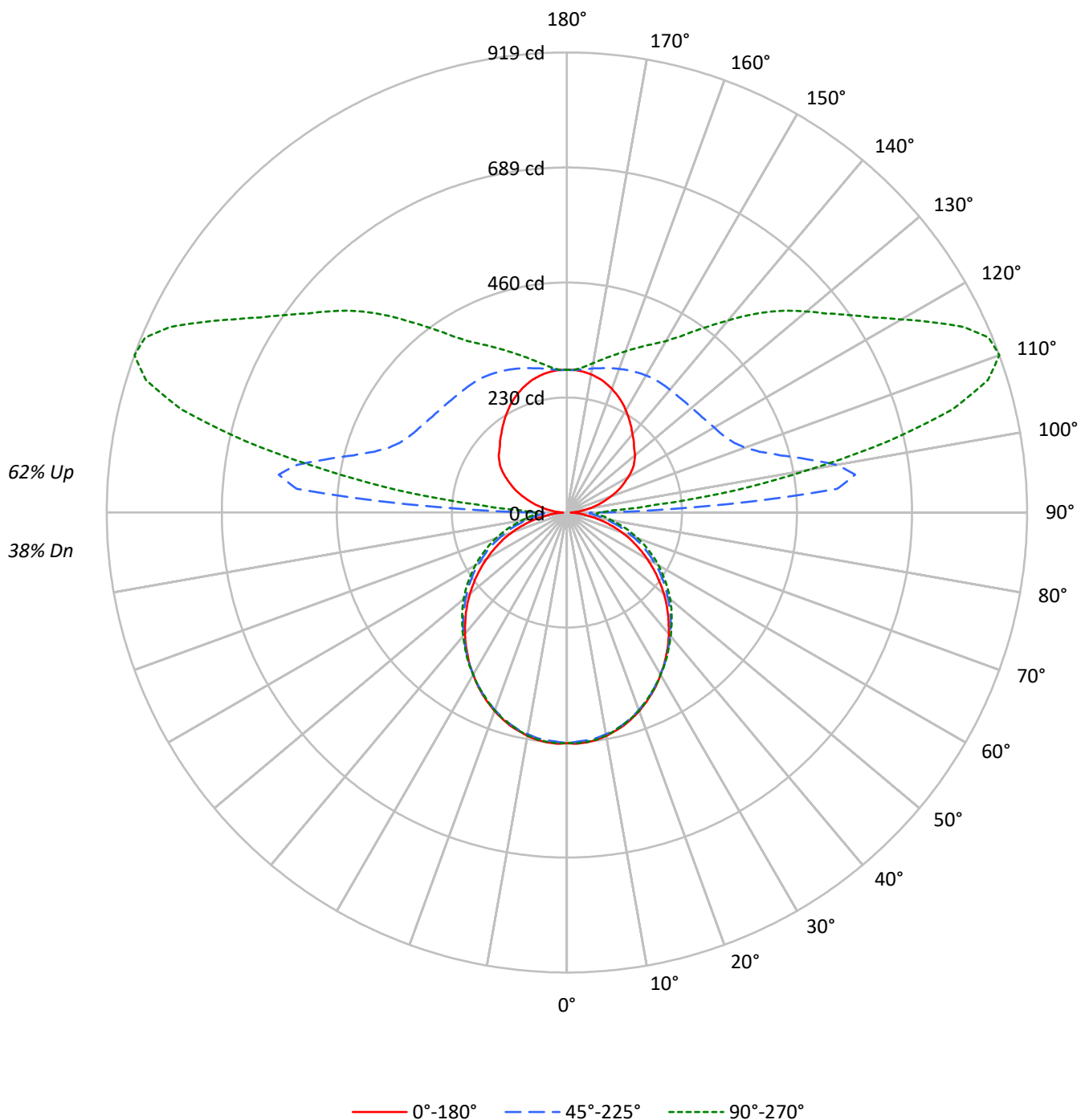
Lumens per Lamp: N/A
Luminaire Lumens: 3572.4 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 28.4
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
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	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45
1	94	90	86	82	85	82	78	75	66	64	61	52	50	49	39	38	37
2	86	78	72	67	77	71	66	61	58	54	50	45	42	40	34	32	30
3	78	69	61	55	70	62	56	51	51	46	42	40	36	34	30	27	26
4	71	60	53	46	64	55	48	43	45	40	36	35	32	29	26	24	22
5	65	54	46	40	59	49	42	37	40	35	31	32	28	25	24	21	19
6	60	48	40	34	54	44	37	32	36	30	26	28	24	22	21	19	17
7	55	43	35	30	50	39	33	28	32	27	23	26	22	19	20	17	15
8	51	39	31	26	46	36	29	24	29	24	21	23	20	17	18	15	13
9	48	36	28	23	43	33	26	22	27	22	18	22	18	15	16	14	12
10	45	33	25	21	40	30	24	19	25	20	16	20	16	14	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2954	2954	2954
5°	2958	2892	2899
10°	2936	2833	2825
15°	2900	2764	2734
20°	2852	2681	2643
25°	2795	2593	2534
30°	2725	2497	2434
35°	2661	2408	2342
40°	2595	2315	2250
45°	2521	2234	2166
50°	2450	2146	2092
55°	2364	2062	2004
60°	2270	1966	1915
65°	2171	1866	1815
70°	2060	1731	1709
75°	1884	1598	1582
80°	1651	1436	1440
85°	1424	1307	1365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2521 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	1.2
10°-20°	123.8	3.5
20°-30°	184.1	5.2
30°-40°	218.1	6.1
40°-50°	225.5	6.3
50°-60°	207.7	5.8
60°-70°	167.9	4.7
70°-80°	112.3	3.1
80°-90°	59.2	1.7
90°-100°	247.2	6.9
100°-110°	469.5	13.1
110°-120°	432.2	12.1
120°-130°	345.8	9.7
130°-140°	274.5	7.7
140°-150°	205.0	5.7
150°-160°	143.7	4.0
160°-170°	84.7	2.4
170°-180°	27.5	0.8
0°-30°	351.6	9.8
0°-40°	569.7	15.9
0°-60°	1002.8	28.1
0°-90°	1342.2	37.6
90°-120°	1148.9	32.2
90°-150°	1974.1	55.3
90°-180°	2230.0	62.4
0°-180°	3572.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	461	461	461	461	461	
5°	461	460	457	460	460	44
15°	440	441	438	440	438	124
25°	400	401	399	400	398	184
35°	346	349	348	349	349	217
45°	285	290	292	296	296	220
55°	219	226	234	239	240	196
65°	151	161	172	179	181	150
75°	83	95	109	118	121	88
85°	25	40	56	66	69	26
90°	8	27	46	60	64	6
95°	25	74	542	274	181	24
105°	69	102	441	853	798	73
115°	119	146	352	746	876	117
125°	163	190	331	591	688	144
135°	189	227	322	490	566	147
145°	220	251	319	400	442	138
155°	250	269	311	352	367	115
165°	273	281	298	317	322	77
175°	284	284	286	290	289	27
180°	285	285	285	285	285	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	461.0	461.0	461.0	461.0	461.0
2.5°	462.3	461.4	458.3	461.4	461.0
5°	461.0	460.1	456.9	460.5	460.1
7.5°	457.8	457.4	454.2	457.4	456.9
10°	453.3	453.3	449.7	452.8	452.4
12.5°	447.0	447.4	444.7	447.0	445.6
15°	440.2	440.6	437.5	440.2	438.4
17.5°	431.6	432.5	429.3	431.6	430.2
20°	422.1	423.0	419.8	421.2	421.2
22.5°	411.3	413.1	409.4	411.3	409.9
25°	400.0	401.3	398.6	400.4	398.2
27.5°	387.8	389.6	386.4	387.8	386.9
30°	373.7	376.5	373.7	374.6	374.2
32.5°	361.1	363.4	361.5	362.4	362.0
35°	346.2	349.3	348.0	349.3	349.3
37.5°	331.7	334.4	334.0	335.8	335.3
40°	316.8	320.4	320.0	321.8	322.7
42.5°	300.5	305.5	306.9	309.1	309.1
45°	285.2	290.1	292.4	295.6	296.0
47.5°	269.4	273.9	277.5	282.0	282.9
50°	253.1	258.1	263.0	268.0	269.4
52.5°	235.9	242.2	248.6	254.0	254.9
55°	219.2	226.4	233.6	238.6	240.4
57.5°	202.0	210.6	218.7	224.2	225.5
60°	184.8	193.9	202.9	209.7	211.1
62.5°	168.1	177.2	187.1	194.8	196.6
65°	150.9	161.3	172.2	179.0	180.8
67.5°	135.1	145.1	155.9	164.1	166.3
70°	117.5	127.9	139.6	148.2	150.9
72.5°	100.3	111.2	124.3	133.8	135.6
75°	83.2	94.9	109.4	118.4	120.7
77.5°	66.4	80.0	93.5	103.5	105.3
80°	51.1	64.6	80.0	89.9	91.7
82.5°	37.1	51.5	67.3	76.8	80.4
85°	24.9	39.8	55.6	65.5	69.1
87.5°	15.8	30.3	45.6	56.0	59.2
90°	7.8	26.8	46.3	59.6	63.8
92.5°	14.9	66.4	264.4	106.4	90.9
95°	24.8	73.6	541.7	273.7	181.0
97.5°	34.7	76.8	580.6	457.6	339.5
100°	45.2	84.0	547.3	627.4	488.9
102.5°	56.7	92.6	491.0	771.1	656.7
105°	69.0	102.0	441.1	853.4	797.8
107.5°	80.5	112.4	403.6	875.5	881.6
110°	93.3	123.4	378.3	850.5	918.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	106.5	134.4	362.7	801.0	912.0
115°	118.7	145.7	351.7	746.0	875.9
117.5°	129.8	157.2	344.8	695.5	823.0
120°	141.2	168.6	339.5	653.2	771.3
122.5°	152.8	179.4	334.9	618.5	725.4
125°	162.6	189.7	330.8	590.6	687.6
127.5°	170.2	200.2	327.8	566.0	653.1
130°	177.7	210.4	325.3	541.5	624.9
132.5°	182.9	219.6	323.5	515.3	596.9
135°	189.2	227.0	321.7	489.8	566.4
137.5°	197.3	234.2	320.9	463.6	534.2
140°	203.7	240.2	320.1	439.4	500.9
142.5°	211.8	245.4	319.8	418.4	469.8
145°	219.8	251.2	319.2	399.8	441.6
147.5°	227.9	256.4	318.1	384.2	415.7
150°	235.4	261.0	316.3	371.5	395.5
152.5°	243.4	265.5	314.0	361.4	380.1
155°	250.3	269.2	311.2	351.6	366.9
157.5°	256.6	273.0	308.3	342.4	354.8
160°	262.9	275.9	305.4	333.3	342.8
162.5°	268.1	278.7	302.0	325.0	331.8
165°	273.3	280.8	298.5	316.6	321.5
167.5°	276.7	281.8	295.1	308.8	311.7
170°	280.2	283.4	292.2	301.4	303.1
172.5°	282.5	283.9	288.8	295.4	295.1
175°	284.2	284.2	286.5	289.9	288.8
177.5°	285.3	284.2	284.8	286.5	284.8
180°	284.8	284.8	284.8	284.8	284.8

(END OF REPORT)