

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: P1027850

Luminaire Tested: S125DIP-B375D375UB30-4F0-XX-W2A-D

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027850
REPORT IS A COMBINATION OF REPORTS P1001966 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B375D375UB30-4F0-XX-W2A-D
Description: Define 5 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

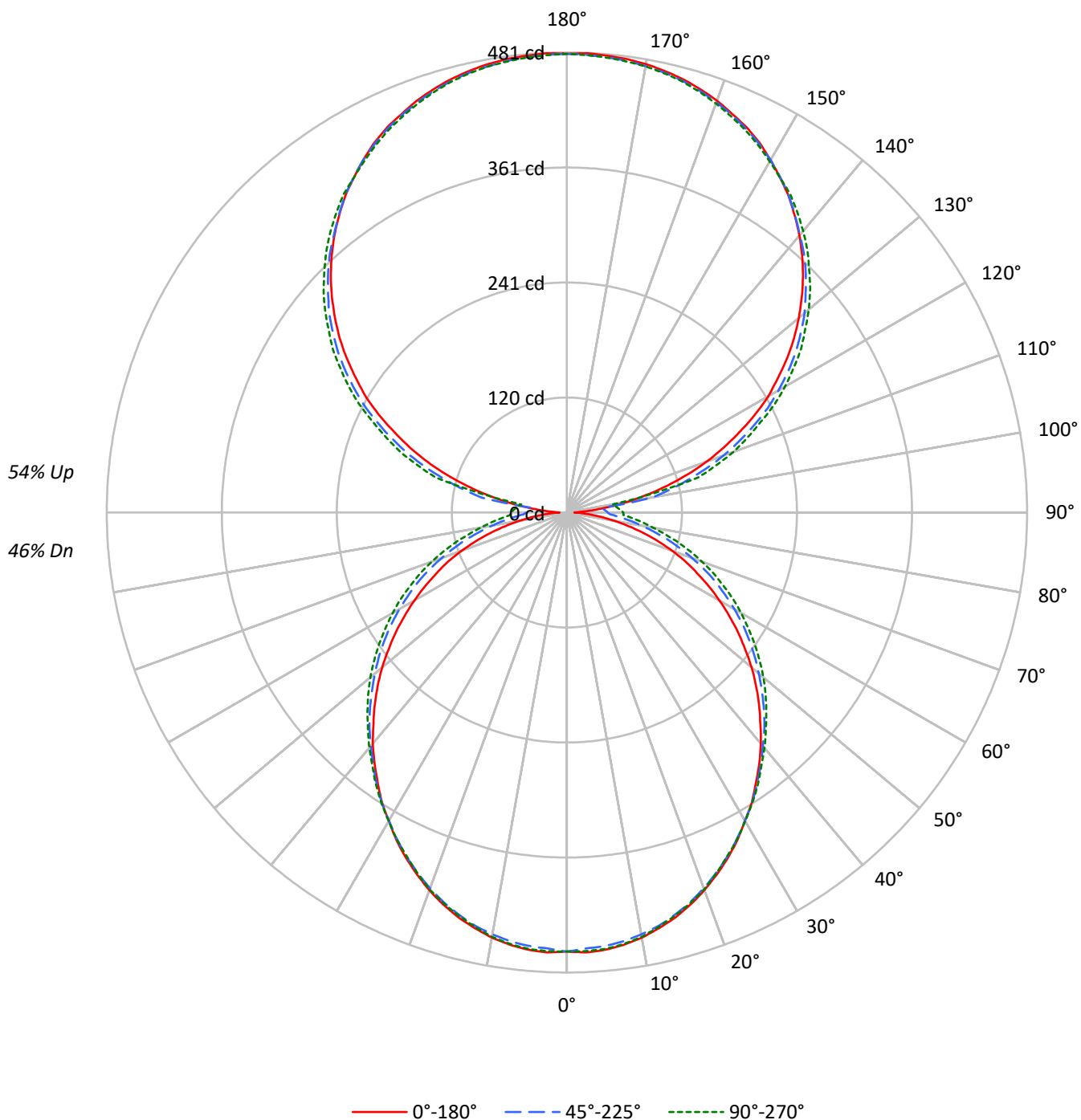
Lumens per Lamp: N/A
Luminaire Lumens: 2896.2 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 22.3
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46		
1	96	92	88	84	88	84	81	77	70	68	65	57	55	54	45	44	43	37		
2	87	80	73	68	80	73	68	63	61	57	53	50	47	44	40	38	36	31		
3	79	70	62	56	73	64	58	52	54	49	45	44	40	37	35	32	30	26		
4	73	62	53	47	66	57	50	44	47	42	38	39	35	32	31	28	26	22		
5	67	55	46	40	61	50	43	38	42	37	32	35	31	27	28	25	22	19		
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	20	17		
7	57	44	36	30	52	41	34	29	34	29	25	29	24	21	23	20	17	15		
8	52	40	32	27	48	37	30	25	31	26	22	26	22	19	21	18	15	13		
9	49	36	29	24	45	34	27	22	29	23	20	24	20	17	19	16	14	12		
10	46	33	26	21	42	31	24	20	26	21	18	22	18	15	18	15	13	11		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2941	2941	2941
5°	2946	2879	2886
10°	2924	2821	2813
15°	2888	2752	2722
20°	2840	2670	2632
25°	2783	2582	2523
30°	2714	2487	2423
35°	2650	2398	2332
40°	2585	2305	2240
45°	2511	2225	2157
50°	2439	2137	2082
55°	2354	2054	1996
60°	2261	1959	1907
65°	2163	1859	1806
70°	2051	1724	1702
75°	1875	1591	1576
80°	1645	1431	1435
85°	1418	1303	1361

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	1.5
10°-20°	123.3	4.3
20°-30°	183.4	6.3
30°-40°	217.2	7.5
40°-50°	224.5	7.8
50°-60°	206.8	7.1
60°-70°	167.2	5.8
70°-80°	111.9	3.9
80°-90°	58.6	2.0
90°-100°	48.9	1.7
100°-110°	132.3	4.6
110°-120°	211.0	7.3
120°-130°	259.3	9.0
130°-140°	273.1	9.4
140°-150°	253.4	8.7
150°-160°	204.3	7.1
160°-170°	132.1	4.6
170°-180°	45.6	1.6
0°-30°	350.1	12.1
0°-40°	567.3	19.6
0°-60°	998.6	34.5
0°-90°	1336.2	46.1
90°-120°	392.2	13.5
90°-150°	1178.0	40.7
90°-180°	1560.0	53.9
0°-180°	2896.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	459	459	459	459	459	
5°	459	458	455	459	458	44
15°	438	439	436	438	436	124
25°	398	400	397	399	396	183
35°	345	348	346	348	348	216
45°	284	289	291	294	295	219
55°	218	226	233	238	239	195
65°	150	161	172	178	180	149
75°	83	94	109	118	120	88
85°	25	40	55	65	69	26
90°	8	25	43	55	59	6
95°	26	37	39	50	53	29
105°	109	117	131	140	142	115
115°	199	204	216	223	223	197
125°	281	283	292	298	299	251
135°	349	351	353	358	358	269
145°	404	404	404	407	407	253
155°	444	442	443	444	441	205
165°	469	467	467	469	466	132
175°	480	478	478	481	478	46
180°	480	480	480	480	480	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	459.0	459.0	459.0	459.0	459.0
2.5°	460.4	459.5	456.3	459.5	459.0
5°	459.0	458.1	455.0	458.6	458.1
7.5°	455.9	455.4	452.3	455.4	455.0
10°	451.4	451.4	447.8	450.9	450.5
12.5°	445.1	445.5	442.8	445.1	443.7
15°	438.3	438.8	435.6	438.3	436.5
17.5°	429.8	430.7	427.5	429.8	428.4
20°	420.3	421.2	418.1	419.4	419.4
22.5°	409.5	411.3	407.7	409.5	408.2
25°	398.3	399.6	396.9	398.7	396.5
27.5°	386.1	387.9	384.8	386.1	385.2
30°	372.2	374.9	372.2	373.1	372.6
32.5°	359.6	361.8	360.0	360.9	360.5
35°	344.7	347.9	346.5	347.9	347.9
37.5°	330.3	333.0	332.6	334.4	333.9
40°	315.5	319.1	318.6	320.4	321.3
42.5°	299.3	304.2	305.6	307.8	307.8
45°	284.0	288.9	291.2	294.3	294.8
47.5°	268.2	272.7	276.3	280.8	281.7
50°	252.0	257.0	261.9	266.9	268.2
52.5°	234.9	241.2	247.5	252.9	253.8
55°	218.3	225.5	232.7	237.6	239.4
57.5°	201.2	209.7	217.8	223.2	224.6
60°	184.1	193.1	202.1	208.8	210.2
62.5°	167.4	176.4	186.3	194.0	195.8
65°	150.3	160.7	171.5	178.2	180.0
67.5°	134.6	144.5	155.3	163.4	165.6
70°	117.0	127.4	139.1	147.6	150.3
72.5°	99.9	110.7	123.8	133.2	135.0
75°	82.8	94.5	108.9	117.9	120.2
77.5°	66.2	79.7	93.2	103.1	104.9
80°	50.9	64.4	79.7	89.6	91.4
82.5°	36.9	51.3	67.1	76.5	80.1
85°	24.8	39.6	55.4	65.3	68.9
87.5°	15.8	30.2	45.5	55.8	59.0
90°	7.6	24.8	42.6	54.8	58.9
92.5°	13.1	23.0	40.8	52.5	56.0
95°	26.2	36.8	38.6	50.3	53.4
97.5°	43.4	56.4	37.5	47.6	51.2
100°	64.4	74.8	90.7	47.2	48.5
102.5°	85.6	95.6	110.2	119.9	92.7
105°	108.6	117.2	130.7	139.7	142.5
107.5°	132.3	138.6	152.4	161.8	163.0
110°	155.4	160.8	174.1	181.5	185.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	177.4	182.5	195.0	201.7	204.1
115°	199.0	203.9	216.0	222.7	223.2
117.5°	221.7	223.9	236.6	242.1	244.5
120°	243.0	243.9	255.4	262.3	263.2
122.5°	261.3	263.6	273.9	280.4	280.9
125°	280.9	283.0	292.0	297.8	298.9
127.5°	299.3	300.6	308.0	314.0	313.8
130°	316.4	317.7	324.3	329.6	330.1
132.5°	333.0	335.1	338.5	344.8	344.9
135°	349.0	350.7	353.1	358.3	358.3
137.5°	363.9	365.6	366.7	372.1	372.1
140°	378.1	378.8	378.8	384.5	384.2
142.5°	391.2	391.1	391.8	395.9	395.6
145°	404.0	404.2	404.2	406.9	406.6
147.5°	414.9	414.9	415.3	416.5	414.9
150°	425.6	424.9	425.6	426.3	423.9
152.5°	435.9	434.1	434.8	435.5	433.0
155°	444.4	442.3	443.0	444.1	441.2
157.5°	451.2	450.1	450.1	451.2	448.3
160°	458.3	456.2	456.5	457.9	455.1
162.5°	464.0	461.8	462.2	464.3	461.1
165°	469.0	466.8	467.2	469.3	466.5
167.5°	472.9	470.7	471.1	473.6	470.4
170°	476.1	473.6	473.9	476.8	473.6
172.5°	478.2	475.7	476.4	478.9	475.7
175°	479.6	477.5	477.8	480.7	477.5
177.5°	480.7	478.6	478.9	481.4	478.6
180°	479.6	479.6	479.6	479.6	479.6

(END OF REPORT)