

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: P1027859

Luminaire Tested: S125DIP-B375D375UB35-4F0-XX-W2A-D

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027859
REPORT IS A COMBINATION OF REPORTS P1001975 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B375D375UB35-4F0-XX-W2A-D
Description: Define 5 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

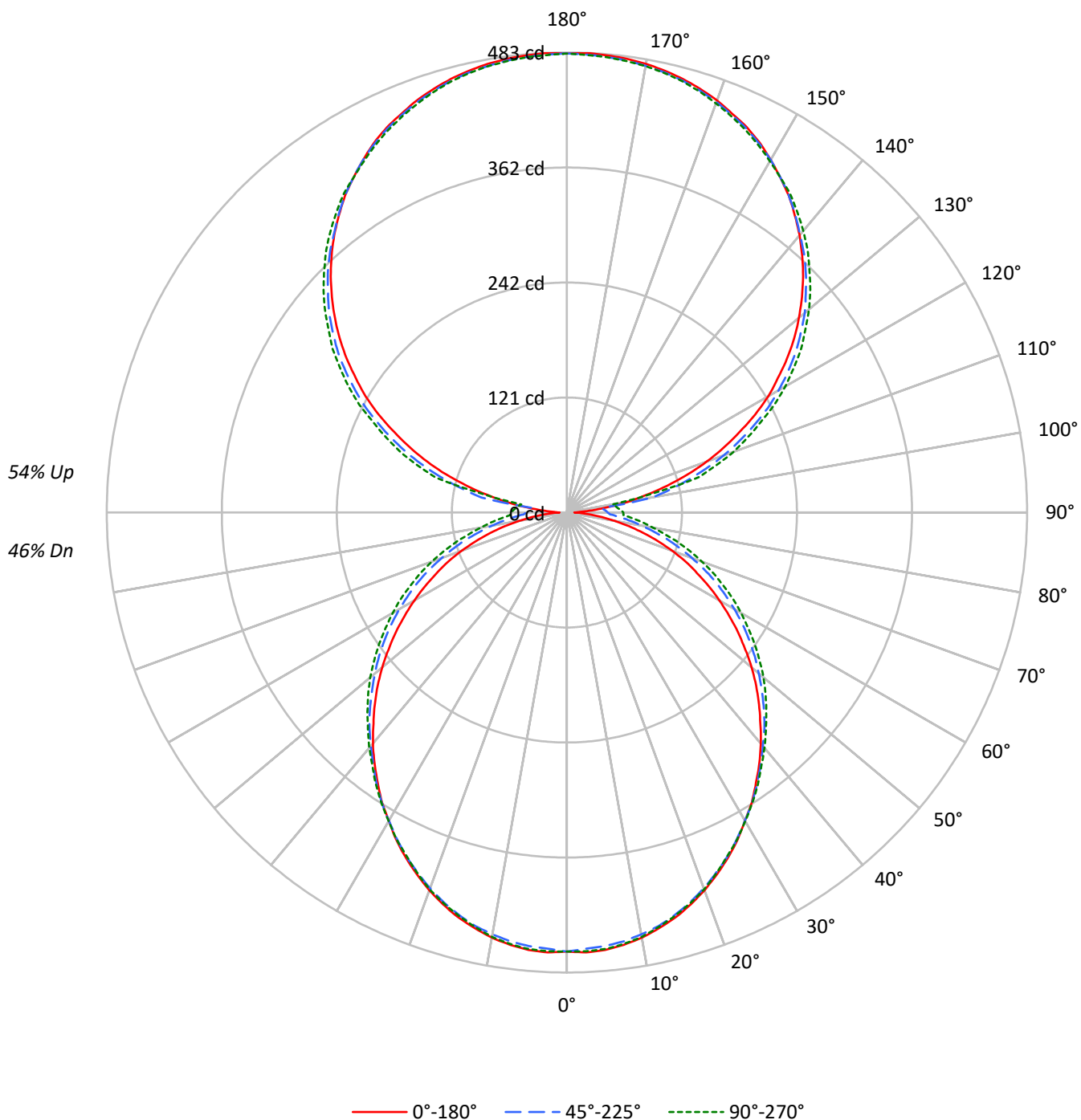
Lumens per Lamp: N/A
Luminaire Lumens: 2909.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

TEST NUMBER: P1027859

CATALOG NUMBER: S125DIP-B375D375UB35-4F0-XX-W2A-D

Luminous Intensity Polar Plot



TEST NUMBER: P1027859

CATALOG NUMBER: S125DIP-B375D375UB35-4F0-XX-W2A-D

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	37	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°	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

TEST NUMBER: P1027859

CATALOG NUMBER: S125DIP-B375D375UB35-4F0-XX-W2A-D

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	1.5
10°-20°	123.8	4.3
20°-30°	184.1	6.3
30°-40°	218.1	7.5
40°-50°	225.5	7.8
50°-60°	207.7	7.1
60°-70°	167.9	5.8
70°-80°	112.3	3.9
80°-90°	58.8	2.0
90°-100°	49.1	1.7
100°-110°	132.9	4.6
110°-120°	212.0	7.3
120°-130°	260.5	9.0
130°-140°	274.4	9.4
140°-150°	254.6	8.8
150°-160°	205.3	7.1
160°-170°	132.7	4.6
170°-180°	45.8	1.6
0°-30°	351.6	12.1
0°-40°	569.7	19.6
0°-60°	1002.8	34.5
0°-90°	1341.8	46.1
90°-120°	393.9	13.5
90°-150°	1183.4	40.7
90°-180°	1567.0	53.9
0°-180°	2909.0	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	25	43	55	59	6
95°	26	37	39	50	54	30
105°	109	118	131	140	143	116
115°	200	205	217	224	224	198
125°	282	284	293	299	300	252
135°	351	352	355	360	360	270
145°	406	406	406	409	408	254
155°	446	444	445	446	443	206
165°	471	469	469	472	469	133
175°	482	480	480	483	480	46
180°	482	482	482	482	482	

TEST NUMBER: P1027859

CATALOG NUMBER: S125DIP-B375D375UB35-4F0-XX-W2A-D

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°	7.6	24.9	42.8	55.0	59.2
92.5°	13.1	23.0	41.0	52.7	56.3
95°	26.3	36.9	38.7	50.4	53.6
97.5°	43.6	56.7	37.6	47.8	51.3
100°	64.7	75.2	91.1	47.3	48.6
102.5°	85.9	96.0	110.7	120.5	93.2
105°	109.1	117.8	131.4	140.4	143.2
107.5°	132.9	139.2	153.0	162.5	163.8
110°	156.1	161.5	174.8	182.3	185.9

TEST NUMBER: P1027859

CATALOG NUMBER: S125DIP-B375D375UB35-4F0-XX-W2A-D

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	178.2	183.3	195.9	202.6	205.0
115°	199.9	204.9	216.9	223.7	224.3
117.5°	222.7	224.9	237.6	243.2	245.7
120°	244.1	245.1	256.6	263.5	264.5
122.5°	262.6	264.9	275.1	281.6	282.2
125°	282.2	284.3	293.3	299.1	300.3
127.5°	300.8	302.0	309.4	315.5	315.3
130°	317.9	319.2	325.8	331.2	331.6
132.5°	334.5	336.7	340.1	346.5	346.5
135°	350.6	352.4	354.8	359.9	360.1
137.5°	365.6	367.4	368.5	373.9	373.9
140°	379.9	380.6	380.6	386.3	386.0
142.5°	393.1	392.9	393.7	397.8	397.4
145°	406.0	406.2	406.2	408.8	408.5
147.5°	416.9	416.9	417.2	418.5	416.9
150°	427.6	426.9	427.6	428.3	426.0
152.5°	438.0	436.2	436.9	437.6	435.1
155°	446.5	444.4	445.1	446.2	443.3
157.5°	453.3	452.2	452.2	453.3	450.5
160°	460.5	458.3	458.7	460.1	457.2
162.5°	466.2	464.0	464.4	466.5	463.3
165°	471.2	469.0	469.4	471.5	468.7
167.5°	475.1	473.0	473.3	475.8	472.6
170°	478.3	475.8	476.2	479.0	475.8
172.5°	480.5	478.0	478.7	481.2	478.0
175°	481.9	479.8	480.1	483.0	479.8
177.5°	483.0	480.8	481.2	483.7	480.8
180°	481.9	481.9	481.9	481.9	481.9

(END OF REPORT)