

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: P1009363

Luminaire Tested: S122DIP-B675D725UB35-4F0-XX-W2A-D

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1009363
REPORT IS A COMBINATION OF REPORTS P984634 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B675D725UB35-4F0-XX-W2A-D
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

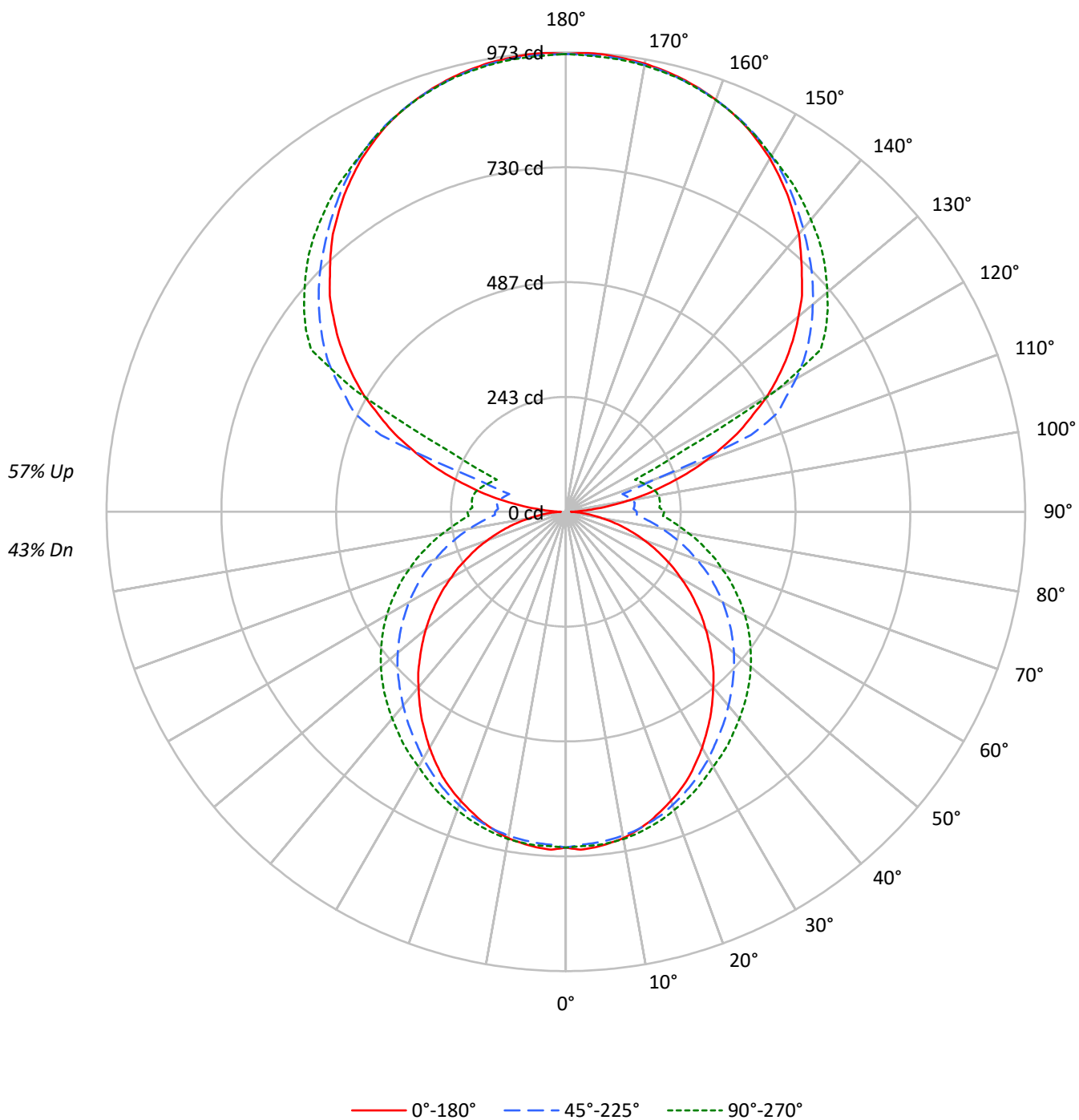
Lumens per Lamp: N/A
Luminaire Lumens: 5557.9 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 57
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: P1009363

CATALOG NUMBER: S122DIP-B675D725UB35-4F0-XX-W2A-D

Luminous Intensity Polar Plot



TEST NUMBER: P1009363

CATALOG NUMBER: S122DIP-B675D725UB35-4F0-XX-W2A-D

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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50
1	95	90	86	82	87	82	79	75	68	65	63	54	53	51	42	41	40
2	86	78	71	66	78	71	66	61	59	54	51	47	44	41	36	34	32
3	78	68	60	54	71	62	56	50	51	46	42	41	38	34	32	29	27
4	71	60	52	45	65	55	48	42	45	40	35	36	32	29	28	25	23
5	65	53	45	39	59	49	41	36	40	35	30	33	28	25	25	22	20
6	60	48	39	33	54	44	36	31	36	30	26	29	25	22	23	20	17
7	55	43	35	29	50	39	32	27	33	27	23	27	22	19	21	18	15
8	51	39	31	25	47	36	29	24	30	24	20	24	20	17	19	16	13
9	48	35	28	22	43	32	26	21	27	22	18	22	18	15	17	14	12
10	44	32	25	20	41	30	23	19	25	20	16	20	16	14	16	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11259	11259	11259
5°	11309	10779	10717
10°	11234	10404	10254
15°	11076	10019	9778
20°	10876	9614	9325
25°	10678	9225	8916
30°	10402	8831	8510
35°	10121	8451	8212
40°	9826	8121	7915
45°	9546	7823	7658
50°	9245	7548	7402
55°	8926	7255	7142
60°	8539	6952	6870
65°	8134	6603	6555
70°	7678	6226	6218
75°	7093	5851	5899
80°	6171	5460	5569
85°	5241	5092	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9546 cd/sqm

TEST NUMBER: P1009363

CATALOG NUMBER: S122DIP-B675D725UB35-4F0-XX-W2A-D

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	1.2
10°-20°	193.4	3.5
20°-30°	293.0	5.3
30°-40°	356.8	6.4
40°-50°	383.9	6.9
50°-60°	372.8	6.7
60°-70°	325.6	5.9
70°-80°	250.6	4.5
80°-90°	169.5	3.1
90°-100°	147.8	2.7
100°-110°	203.7	3.7
110°-120°	371.9	6.7
120°-130°	555.3	10.0
130°-140°	569.9	10.3
140°-150°	519.7	9.4
150°-160°	416.1	7.5
160°-170°	268.1	4.8
170°-180°	92.3	1.7
0°-30°	553.8	10.0
0°-40°	910.7	16.4
0°-60°	1667.4	30.0
0°-90°	2413.1	43.4
90°-120°	723.4	13.0
90°-150°	2368.4	42.6
90°-180°	3145.0	56.6
0°-180°	5557.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	713	710	704	710	709	68
15°	680	682	682	692	691	192
25°	618	626	635	647	650	284
35°	533	550	570	593	600	333
45°	437	465	501	533	543	337
55°	335	372	426	463	476	300
65°	229	279	340	382	396	227
75°	127	184	250	295	308	134
85°	37	101	167	210	225	39
90°	11	78	150	195	209	10
95°	54	79	146	189	200	60
105°	218	269	132	175	189	234
115°	408	431	495	201	162	401
125°	572	582	628	661	672	511
135°	707	718	735	763	770	546
145°	819	818	830	841	843	512
155°	902	895	904	908	902	415
165°	950	946	948	953	948	268
175°	972	967	968	973	966	92
180°	970	970	970	970	970	

TEST NUMBER: P1009363

CATALOG NUMBER: S122DIP-B675D725UB35-4F0-XX-W2A-D

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	711.3	711.3	711.3	711.3	711.3
2.5°	716.4	713.3	706.1	711.3	709.2
5°	713.3	710.3	704.1	710.3	709.2
7.5°	708.2	706.1	701.0	708.2	707.2
10°	702.0	699.9	696.8	705.1	704.1
12.5°	691.7	692.7	690.7	698.9	697.9
15°	680.4	682.4	682.4	691.7	690.7
17.5°	665.9	670.0	673.1	682.4	682.4
20°	651.5	656.6	660.8	672.1	672.1
22.5°	636.0	642.2	648.4	659.7	661.8
25°	618.5	625.7	635.0	647.4	650.5
27.5°	597.9	609.2	619.5	635.0	637.1
30°	577.3	590.7	604.1	620.6	623.7
32.5°	554.6	570.1	586.5	606.1	612.3
35°	532.9	550.5	570.1	592.7	600.0
37.5°	509.2	528.8	553.6	578.3	585.5
40°	485.5	508.2	536.0	562.8	572.1
42.5°	462.8	485.5	518.5	548.4	557.7
45°	437.1	464.9	501.0	532.9	543.3
47.5°	412.3	442.2	483.5	516.5	527.8
50°	386.6	418.5	464.9	500.0	511.3
52.5°	361.8	395.8	445.3	481.4	493.8
55°	335.0	372.1	425.7	462.8	476.2
57.5°	309.3	350.5	404.1	444.3	457.7
60°	281.4	325.7	384.5	423.7	438.1
62.5°	256.7	303.1	361.8	404.1	417.5
65°	228.8	279.4	340.2	382.4	395.8
67.5°	204.1	256.7	318.5	360.8	375.2
70°	177.3	230.9	294.8	339.1	351.5
72.5°	152.6	208.2	273.2	316.5	331.9
75°	126.8	184.5	250.5	294.8	308.2
77.5°	102.1	161.8	228.8	273.2	287.6
80°	77.3	140.2	207.2	250.5	264.9
82.5°	56.7	118.5	186.6	229.9	243.3
85°	37.1	101.0	167.0	210.3	224.7
87.5°	22.7	84.5	150.5	192.8	206.2
90°	11.0	78.5	150.1	194.8	208.6
92.5°	26.8	78.6	143.6	185.2	198.3
95°	53.8	79.1	145.9	188.6	200.3
97.5°	89.3	76.1	147.1	187.4	200.4
100°	131.4	73.5	143.1	186.8	199.6
102.5°	176.7	209.3	137.3	182.1	195.5
105°	218.5	269.3	131.5	175.2	189.4
107.5°	268.3	310.5	125.6	168.4	182.5
110°	314.9	350.2	198.1	160.8	175.0

TEST NUMBER: P1009363

CATALOG NUMBER: S122DIP-B675D725UB35-4F0-XX-W2A-D

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	359.8	388.9	424.4	155.0	168.5
115°	407.5	430.8	494.7	200.8	161.6
117.5°	447.9	470.1	525.3	456.0	282.5
120°	494.2	508.8	562.6	599.9	516.6
122.5°	533.5	545.7	597.9	629.9	639.9
125°	572.4	581.6	627.8	660.6	672.0
127.5°	608.9	617.6	656.1	688.8	698.8
130°	643.3	653.4	682.8	715.3	722.9
132.5°	678.4	686.4	709.6	739.6	747.1
135°	706.7	718.0	734.6	763.3	770.1
137.5°	737.6	746.0	758.2	784.9	790.0
140°	767.8	772.4	782.2	805.0	807.6
142.5°	793.0	796.9	806.1	824.1	825.7
145°	818.7	818.0	829.9	841.0	842.6
147.5°	841.8	839.7	851.7	856.2	856.5
150°	864.3	859.4	870.6	874.8	871.3
152.5°	883.2	877.6	888.1	892.4	887.4
155°	901.5	895.2	903.6	907.8	902.2
157.5°	916.2	910.6	916.9	921.8	916.2
160°	928.8	924.6	928.8	933.0	928.1
162.5°	940.1	935.8	939.4	944.3	938.0
165°	949.9	945.7	947.8	952.7	947.8
167.5°	957.6	953.4	955.5	960.4	954.1
170°	963.9	959.7	961.1	966.0	959.7
172.5°	968.1	963.9	965.3	970.2	963.9
175°	971.6	966.7	968.1	973.0	966.0
177.5°	973.0	968.1	968.8	973.7	967.4
180°	969.5	969.5	969.5	969.5	969.5

(END OF REPORT)