

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: P1027190

Luminaire Tested: S125RDIP-B375D610UB2750-4F0-XX-W2A-F_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027190
REPORT IS A COMBINATION OF REPORTS P1005451 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B375D610UB2750-4F0-XX-W2A-F_3000K
Description: Define 5 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

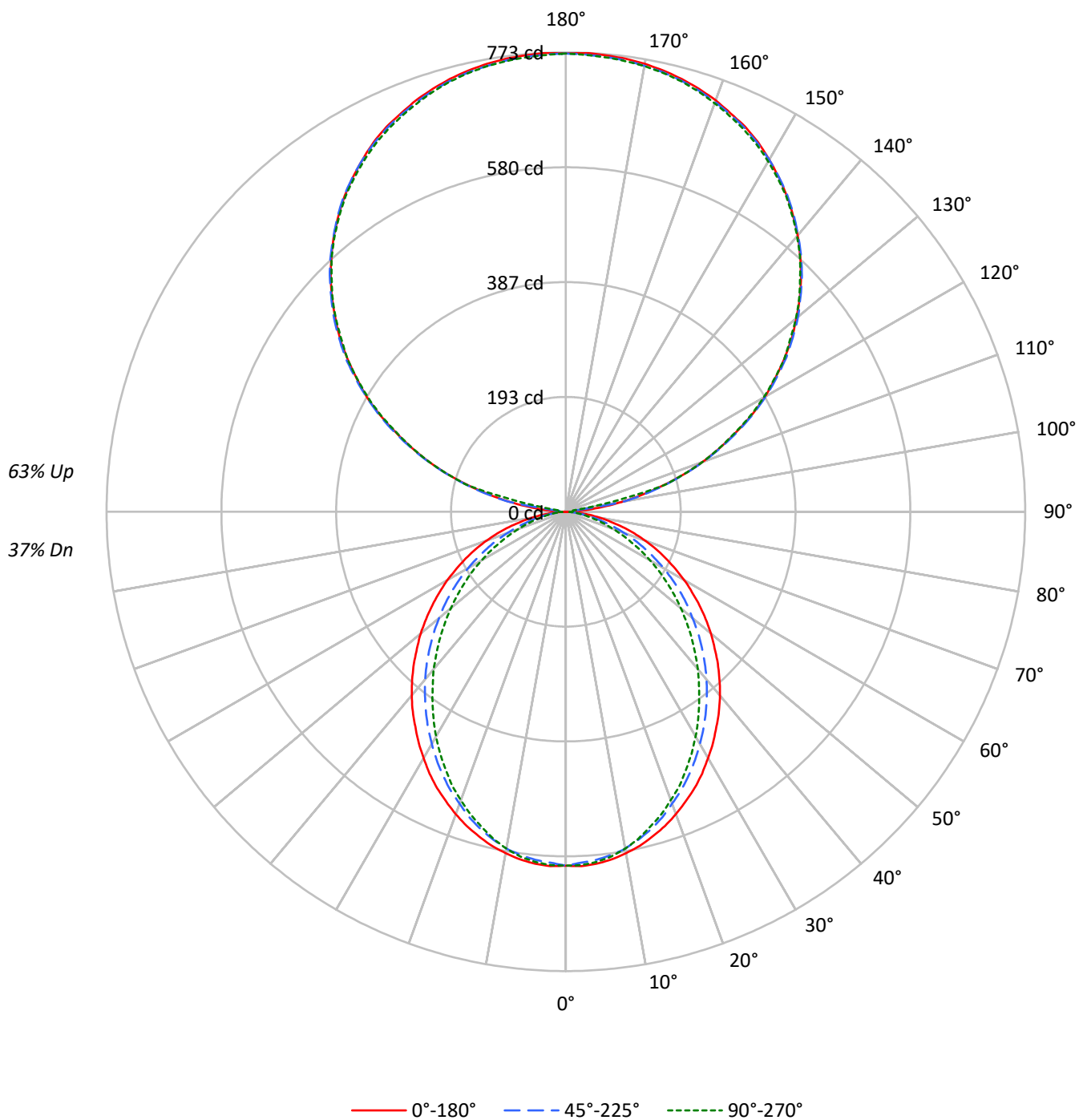
Lumens per Lamp: N/A
Luminaire Lumens: 3777.0 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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

TEST NUMBER: P1027190

CATALOG NUMBER: S125RDIP-B375D610UB2750-4F0-XX-W2A-F_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1027190

CATALOG NUMBER: S125RDIP-B375D610UB2750-4F0-XX-W2A-F_3000K

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	94	94	94	94	76	76	76	60	60	60	44	44	44
1	95	91	87	84	86	83	79	77	67	65	63	53	51	50	40	39	38
2	87	80	74	69	78	72	67	63	59	55	52	46	44	42	35	33	32
3	79	70	63	57	72	64	58	53	52	48	44	41	38	36	31	29	27
4	72	62	54	48	65	57	50	45	46	41	38	37	33	31	28	26	24
5	66	55	47	42	60	50	44	38	41	36	32	33	29	27	25	23	21
6	61	49	42	36	55	45	38	33	37	32	28	30	26	23	23	20	18
7	57	45	37	31	51	41	34	29	34	29	25	27	23	21	21	18	16
8	52	40	33	28	47	37	30	26	31	26	22	25	21	18	19	17	15
9	49	37	30	25	44	34	27	23	28	23	20	23	19	16	18	15	13
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3815	3815	3815
5°	3816	3721	3727
10°	3779	3627	3595
15°	3725	3495	3421
20°	3659	3338	3240
25°	3583	3184	3045
30°	3490	3014	2840
35°	3395	2842	2623
40°	3305	2665	2411
45°	3197	2474	2189
50°	3087	2271	1963
55°	2959	2072	1729
60°	2829	1844	1485
65°	2673	1589	1223
70°	2491	1294	963
75°	2242	973	701
80°	1890	630	473
85°	1412	339	267

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3197 cd/sqm

TEST NUMBER: P1027190

CATALOG NUMBER: S125RDIP-B375D610UB2750-4F0-XX-W2A-F_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	1.5
10°-20°	156.6	4.1
20°-30°	227.1	6.0
30°-40°	258.7	6.9
40°-50°	252.2	6.7
50°-60°	212.2	5.6
60°-70°	148.7	3.9
70°-80°	76.3	2.0
80°-90°	20.1	0.5
90°-100°	26.2	0.7
100°-110°	174.1	4.6
110°-120°	313.4	8.3
120°-130°	402.3	10.7
130°-140°	432.7	11.5
140°-150°	406.1	10.8
150°-160°	328.5	8.7
160°-170°	212.4	5.6
170°-180°	73.3	1.9
0°-30°	439.8	11.6
0°-40°	698.5	18.5
0°-60°	1163.0	30.8
0°-90°	1408.1	37.3
90°-120°	513.6	13.6
90°-150°	1754.7	46.5
90°-180°	2369.0	62.7
0°-180°	3777.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	595	593	588	592	592	56
15°	565	563	553	553	549	159
25°	513	506	489	484	479	236
35°	442	431	411	398	391	277
45°	362	349	324	306	299	279
55°	274	260	235	214	207	245
65°	186	170	147	129	122	184
75°	99	86	67	57	54	105
85°	25	17	14	14	14	27
90°	1	5	9	12	14	3
95°	33	31	9	12	12	40
105°	168	170	170	170	170	178
115°	316	318	319	317	313	313
125°	449	453	453	450	449	401
135°	560	563	562	561	557	431
145°	649	650	650	650	647	406
155°	715	711	712	714	709	329
165°	754	751	751	755	750	213
175°	771	768	768	773	768	73
180°	771	771	771	771	771	

TEST NUMBER: P1027190

CATALOG NUMBER: S125RDIP-B375D610UB2750-4F0-XX-W2A-F_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	595.5	595.5	595.5	595.5	595.5
2.5°	596.9	595.5	591.0	595.5	595.1
5°	594.6	592.8	587.9	592.4	591.5
7.5°	590.1	588.3	582.5	586.1	585.2
10°	583.4	582.0	575.7	577.1	575.7
12.5°	575.7	573.9	564.9	565.8	563.6
15°	565.4	562.7	553.2	552.8	548.7
17.5°	554.6	550.5	539.3	537.0	533.9
20°	541.5	537.0	522.7	520.4	516.4
22.5°	527.2	522.7	507.4	502.4	499.3
25°	512.8	506.0	489.4	483.5	478.6
27.5°	496.6	488.5	470.9	463.3	458.3
30°	478.6	470.0	451.1	440.8	436.7
32.5°	461.0	450.7	431.3	419.7	414.3
35°	441.7	430.9	410.7	397.6	391.3
37.5°	423.3	410.2	389.5	374.2	367.9
40°	403.5	390.0	368.4	351.3	345.9
42.5°	382.8	368.8	346.3	330.1	321.6
45°	361.6	348.6	323.8	305.9	299.1
47.5°	339.6	326.1	301.4	282.9	275.3
50°	318.9	304.1	278.4	259.5	252.8
52.5°	296.4	281.1	257.3	236.6	229.8
55°	274.4	260.0	234.8	214.5	207.4
57.5°	251.9	236.6	212.3	192.5	186.2
60°	230.3	214.5	190.3	170.5	163.7
62.5°	207.4	192.5	167.8	149.8	143.0
65°	185.8	170.5	146.6	128.6	121.9
67.5°	164.2	148.9	125.9	108.8	103.5
70°	142.1	126.8	104.4	90.4	85.0
72.5°	120.5	105.7	85.0	72.4	69.3
75°	99.0	85.5	66.6	56.7	53.5
77.5°	76.9	66.1	50.4	42.7	40.0
80°	58.5	47.7	35.1	31.0	30.1
82.5°	40.5	31.0	23.4	22.0	21.6
85°	24.7	16.6	14.4	13.9	13.5
87.5°	10.3	7.2	6.7	6.7	6.3
90°	0.6	5.1	9.1	12.0	13.7
92.5°	10.9	5.7	9.1	12.0	12.6
95°	32.6	30.9	9.1	12.0	12.0
97.5°	61.2	64.6	10.3	11.4	12.0
100°	95.5	97.2	99.5	14.3	12.0
102.5°	130.3	132.6	133.8	134.9	86.9
105°	168.1	170.4	170.4	170.4	169.8
107.5°	206.9	206.9	208.1	208.7	206.4
110°	244.7	244.7	245.8	244.1	244.7

TEST NUMBER: P1027190

CATALOG NUMBER: S125RDIP-B375D610UB2750-4F0-XX-W2A-F_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	280.1	281.8	282.4	280.1	279.0
115°	315.6	318.4	319.0	316.7	313.3
117.5°	352.7	352.7	355.0	351.6	350.4
120°	387.0	386.4	388.2	387.0	384.2
122.5°	417.3	420.2	420.7	419.6	416.2
125°	448.8	452.8	452.8	450.5	448.8
127.5°	479.0	481.9	481.3	480.2	475.6
130°	506.5	509.3	509.9	508.2	505.3
132.5°	533.9	537.4	535.6	535.6	532.8
135°	559.7	563.1	561.9	560.8	557.4
137.5°	583.7	587.1	585.9	585.9	583.1
140°	607.1	608.2	607.7	608.8	605.4
142.5°	628.3	628.8	630.0	630.0	626.5
145°	648.8	650.0	650.0	650.5	647.1
147.5°	667.1	667.1	667.7	668.3	664.3
150°	684.3	683.1	684.3	685.4	680.8
152.5°	700.9	698.0	699.1	700.3	696.3
155°	714.6	711.1	712.3	714.0	709.4
157.5°	725.4	723.7	723.7	725.4	720.9
160°	736.9	733.4	734.0	736.3	731.7
162.5°	746.0	742.6	743.2	746.6	741.4
165°	754.0	750.6	751.2	754.6	750.0
167.5°	760.3	756.9	757.4	761.4	756.3
170°	765.4	761.4	762.0	766.6	761.4
172.5°	768.9	764.9	766.0	770.0	764.9
175°	771.2	767.7	768.3	772.9	767.7
177.5°	772.9	769.5	770.0	774.0	769.5
180°	771.2	771.2	771.2	771.2	771.2

(END OF REPORT)