

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: P1001437

Luminaire Tested: SA4XXDIP-B575D1035UB35-4F0-XX-W2A-D1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001437
REPORT IS A COMBINATION OF REPORTS P996056 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B575D1035UB35-4F0-XX-W2A-D1
Description: Define 4 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

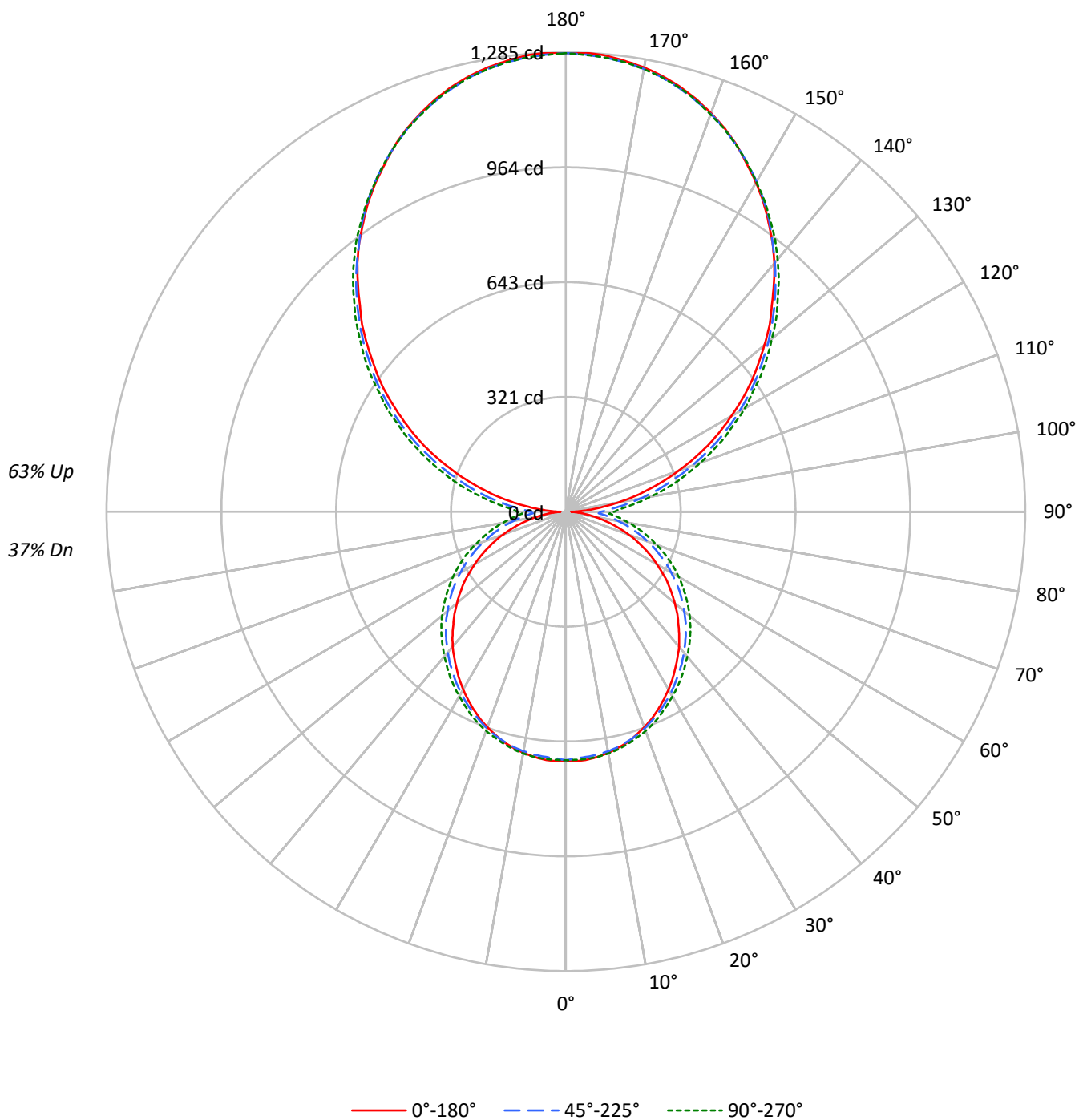
Lumens per Lamp: N/A
Luminaire Lumens: 5933.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 52.5
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	94	94	94	94	76	76	76	59	59	59	44	44	44
1	94	90	85	82	85	81	78	75	65	63	61	51	49	48	38	37	36
2	85	78	71	66	77	70	65	60	57	53	50	44	42	39	33	31	30
3	78	68	61	55	70	62	55	50	50	45	41	39	36	33	29	27	25
4	71	60	52	46	64	54	48	42	44	39	35	35	31	28	26	23	21
5	65	53	45	39	58	48	41	36	39	34	30	31	27	24	23	20	18
6	60	48	39	34	54	43	36	31	35	30	26	28	24	21	21	18	16
7	55	43	35	29	50	39	32	27	32	27	23	25	21	18	19	16	14
8	51	39	31	26	46	35	28	24	29	24	20	23	19	16	17	15	12
9	47	35	28	23	43	32	26	21	26	21	18	21	17	14	16	13	11
10	44	32	25	20	40	29	23	19	24	19	16	19	16	13	15	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5668	5668	5668
5°	5684	5521	5531
10°	5647	5412	5397
15°	5594	5290	5246
20°	5516	5157	5098
25°	5428	5012	4940
30°	5333	4868	4779
35°	5224	4720	4635
40°	5137	4578	4486
45°	5010	4445	4354
50°	4901	4294	4216
55°	4787	4148	4055
60°	4611	3967	3905
65°	4419	3772	3724
70°	4185	3547	3514
75°	3859	3300	3315
80°	3488	3046	3106
85°	3005	2793	2937

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 5056 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.1
10°-20°	188.7	3.2
20°-30°	285.3	4.8
30°-40°	345.2	5.8
40°-50°	364.9	6.2
50°-60°	343.5	5.8
60°-70°	285.0	4.8
70°-80°	200.0	3.4
80°-90°	115.5	1.9
90°-100°	150.8	2.5
100°-110°	300.2	5.1
110°-120°	458.9	7.7
120°-130°	580.0	9.8
130°-140°	638.5	10.8
140°-150°	621.2	10.5
150°-160°	521.1	8.8
160°-170°	346.7	5.8
170°-180°	121.4	2.0
0°-30°	539.9	9.1
0°-40°	885.1	14.9
0°-60°	1593.5	26.9
0°-90°	2194.0	37.0
90°-120°	909.9	15.3
90°-150°	2749.7	46.3
90°-180°	3739.0	63.0
0°-180°	5933.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	695	695	695	695	695	
5°	696	694	688	694	694	66
15°	667	668	666	673	672	188
25°	610	615	617	626	627	281
35°	534	543	551	562	564	334
45°	445	460	475	488	492	344
55°	349	365	388	404	409	311
65°	241	266	293	312	318	239
75°	134	163	195	217	224	142
85°	41	74	109	132	140	43
90°	16	58	99	127	136	13
95°	70	104	143	167	174	73
105°	238	255	288	310	319	253
115°	437	444	467	483	488	432
125°	633	632	651	664	666	565
135°	814	820	826	836	838	630
145°	988	991	992	996	996	619
155°	1131	1131	1130	1134	1130	521
165°	1232	1229	1227	1232	1229	347
175°	1281	1276	1275	1282	1275	122
180°	1283	1283	1283	1283	1283	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	695.1	695.1	695.1	695.1	695.1
2.5°	698.2	695.9	689.7	695.1	694.4
5°	695.9	693.6	688.1	694.4	693.6
7.5°	691.2	689.7	685.0	692.0	691.2
10°	685.0	684.2	680.3	687.4	686.6
12.5°	676.5	676.5	674.1	680.3	680.3
15°	667.1	667.9	665.6	672.6	671.8
17.5°	654.7	657.0	656.2	663.2	662.4
20°	641.4	643.8	644.5	652.3	652.3
22.5°	626.6	629.7	631.3	639.1	640.6
25°	610.3	615.0	617.3	625.9	626.6
27.5°	592.4	599.4	602.5	610.3	611.1
30°	574.5	580.7	586.2	594.7	596.3
32.5°	555.0	562.8	569.0	579.1	580.7
35°	534.0	543.3	551.1	562.0	564.4
37.5°	513.0	523.9	533.2	544.1	546.5
40°	492.7	502.9	513.8	525.4	528.6
42.5°	469.4	481.1	494.3	507.5	509.9
45°	445.3	460.1	474.8	488.1	492.0
47.5°	422.7	437.5	454.6	467.8	472.5
50°	397.8	414.9	432.0	447.6	452.3
52.5°	372.9	390.0	410.2	425.8	430.5
55°	348.7	365.1	388.4	404.0	408.7
57.5°	321.5	341.7	364.3	383.0	386.9
60°	295.0	315.3	341.0	358.9	365.1
62.5°	269.3	291.9	317.6	335.5	341.7
65°	241.3	266.2	292.7	312.1	318.4
67.5°	214.8	241.3	269.3	288.8	295.0
70°	187.6	214.1	243.6	264.7	270.1
72.5°	161.1	188.4	220.3	240.5	246.8
75°	133.9	162.7	195.4	217.2	224.2
77.5°	108.2	138.6	172.8	194.6	202.4
80°	84.8	116.0	150.2	173.6	179.8
82.5°	61.5	94.2	128.4	152.6	159.6
85°	41.3	74.0	109.0	132.3	140.1
87.5°	25.7	57.6	91.9	114.4	121.4
90°	15.5	57.5	98.9	127.4	135.7
92.5°	37.5	77.6	116.1	140.8	148.0
95°	69.6	104.3	143.1	167.1	174.1
97.5°	104.6	135.1	174.9	199.2	206.2
100°	147.5	171.7	211.0	234.0	239.4
102.5°	193.2	211.3	248.8	272.0	279.2
105°	238.2	254.8	287.6	310.0	319.2
107.5°	286.9	301.0	329.3	352.7	357.2
110°	335.7	348.6	374.9	390.8	400.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	386.5	395.9	419.6	436.7	442.9
115°	437.4	444.4	467.3	483.4	487.9
117.5°	486.0	490.6	513.0	526.3	529.7
120°	533.8	540.1	559.7	570.4	578.5
122.5°	584.4	585.4	605.4	618.1	618.5
125°	633.3	632.5	651.0	663.8	666.5
127.5°	677.9	680.1	693.7	705.7	710.2
130°	724.8	727.0	739.4	751.4	752.2
132.5°	773.4	774.7	783.0	794.2	797.9
135°	814.4	820.3	825.7	836.2	837.9
137.5°	861.0	863.2	868.3	877.0	881.9
140°	907.6	908.8	909.6	918.7	921.6
142.5°	949.5	951.5	949.7	958.3	961.4
145°	988.2	991.4	992.4	996.1	996.2
147.5°	1027.9	1032.1	1031.1	1030.9	1033.0
150°	1063.6	1066.8	1066.8	1066.8	1065.8
152.5°	1096.6	1098.6	1099.6	1102.5	1099.6
155°	1131.3	1131.3	1130.3	1134.3	1130.3
157.5°	1161.1	1159.1	1159.1	1162.1	1159.1
160°	1186.9	1185.9	1184.9	1187.9	1182.9
162.5°	1210.7	1207.7	1206.7	1212.7	1207.7
165°	1231.5	1228.6	1226.6	1232.5	1228.6
167.5°	1248.4	1244.4	1244.4	1250.4	1244.4
170°	1262.3	1257.3	1258.3	1264.3	1257.3
172.5°	1272.2	1268.3	1268.3	1275.2	1268.3
175°	1281.2	1276.2	1275.2	1282.2	1275.2
177.5°	1285.1	1280.2	1280.2	1287.1	1279.2
180°	1283.1	1283.1	1283.1	1283.1	1283.1

(END OF REPORT)