

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: P1000007

Luminaire Tested: SA2XXRDIP-B675D725UB35-4F0-XX-W2A-F1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000007
REPORT IS A COMBINATION OF REPORTS P988564 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B675D725UB35-4F0-XX-W2A-F1
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

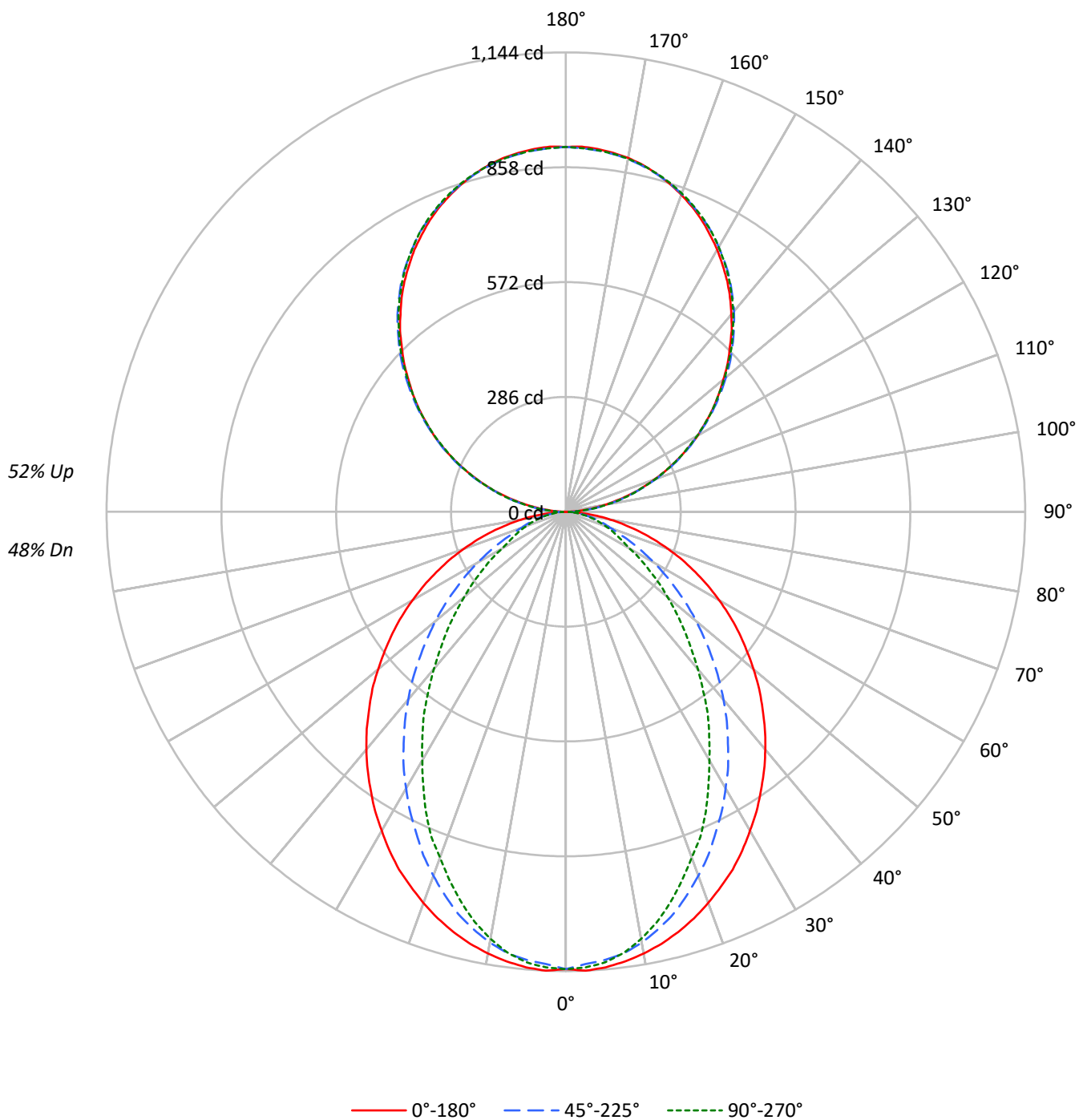
Lumens per Lamp: N/A
Luminaire Lumens: 4885.0 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 0.99 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54
1	98	94	90	87	90	86	83	80	73	70	68	60	59	57	49	48	47
2	89	82	76	71	82	76	71	67	64	61	57	53	51	49	43	42	40
3	82	73	66	60	75	67	61	56	57	53	49	48	44	42	39	37	35
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	35	32	30
5	69	58	50	44	63	54	47	42	46	41	36	39	35	32	32	29	27
6	64	52	44	39	59	48	41	36	42	36	32	35	31	28	29	26	24
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21
8	55	43	35	30	51	40	33	29	35	29	25	29	25	22	25	21	19
9	51	39	32	27	47	37	30	26	32	27	23	27	23	20	23	20	17
10	48	36	29	24	44	34	27	23	29	24	21	25	21	18	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18026	18026	18026
5°	18056	17149	17022
10°	17877	16265	15728
15°	17631	15221	14253
20°	17306	14034	12712
25°	16973	12817	11299
30°	16526	11630	9758
35°	16088	10434	8435
40°	15643	9259	7072
45°	15124	8046	5883
50°	14590	6877	4789
55°	14032	5708	3802
60°	13385	4565	2876
65°	12638	3480	2339
70°	11736	2524	1859
75°	10606	1925	1420
80°	8966	1304	952
85°	6258	598	461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15124 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	2.2
10°-20°	293.0	6.0
20°-30°	411.3	8.4
30°-40°	448.4	9.2
40°-50°	412.1	8.4
50°-60°	323.6	6.6
60°-70°	210.7	4.3
70°-80°	108.4	2.2
80°-90°	30.3	0.6
90°-100°	56.2	1.2
100°-110°	178.7	3.7
110°-120°	305.8	6.3
120°-130°	402.1	8.2
130°-140°	451.4	9.2
140°-150°	442.6	9.1
150°-160°	371.3	7.6
160°-170°	246.2	5.0
170°-180°	86.1	1.8
0°-30°	811.1	16.6
0°-40°	1259.4	25.8
0°-60°	1995.2	40.8
0°-90°	2344.6	48.0
90°-120°	540.7	11.1
90°-150°	1836.8	37.6
90°-180°	2540.0	52.0
0°-180°	4885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1139	1139	1139	1139	1139	
5°	1139	1134	1120	1130	1126	108
15°	1083	1072	1037	1017	1007	305
25°	983	950	882	840	824	452
35°	847	795	704	639	616	530
45°	692	624	515	442	417	535
55°	527	446	335	273	254	471
65°	356	272	179	144	141	352
75°	190	118	82	75	74	201
85°	44	23	20	20	20	51
90°	1	10	27	25	26	5
95°	40	48	49	49	48	45
105°	165	167	169	170	170	174
115°	307	311	310	309	307	303
125°	446	453	451	449	448	399
135°	577	586	587	587	584	446
145°	701	706	711	712	708	438
155°	801	804	806	810	807	369
165°	872	871	871	876	873	246
175°	907	905	903	909	904	86
180°	909	909	909	909	909	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1138.8	1138.8	1138.8	1138.8	1138.8
2.5°	1143.9	1138.8	1127.4	1137.7	1135.7
5°	1138.8	1133.6	1120.2	1129.5	1126.4
7.5°	1129.5	1123.3	1108.9	1113.0	1107.8
10°	1117.1	1109.9	1089.3	1086.2	1080.0
12.5°	1101.7	1092.4	1064.6	1058.4	1047.0
15°	1083.1	1071.8	1036.7	1017.2	1006.8
17.5°	1061.5	1045.0	1001.7	979.0	962.5
20°	1036.7	1016.1	964.6	938.8	916.2
22.5°	1009.9	986.2	926.5	891.4	876.0
25°	983.1	950.2	882.2	839.9	824.4
27.5°	951.2	916.2	840.9	792.5	768.8
30°	917.2	878.0	795.6	743.0	715.2
32.5°	884.2	836.8	752.3	690.5	664.7
35°	847.1	794.6	703.9	638.9	616.3
37.5°	811.0	754.4	658.5	587.4	561.6
40°	772.9	711.1	611.1	537.9	511.2
42.5°	733.8	667.8	563.7	487.4	461.7
45°	692.5	623.5	515.3	442.1	417.4
47.5°	653.4	580.2	468.9	395.7	373.1
50°	610.1	536.9	423.6	352.4	330.8
52.5°	567.8	490.5	380.3	312.3	292.7
55°	526.6	446.2	334.9	273.1	253.5
57.5°	484.4	401.9	294.7	237.0	220.5
60°	441.1	358.6	252.5	199.9	183.4
62.5°	398.8	316.4	216.4	166.9	158.7
65°	355.5	272.1	179.3	144.3	141.2
67.5°	314.3	230.8	144.3	126.8	123.7
70°	271.0	190.7	119.5	109.2	105.1
72.5°	229.8	153.6	100.0	91.7	89.7
75°	189.6	117.5	82.4	75.2	74.2
77.5°	149.4	83.5	64.9	60.8	58.7
80°	112.3	59.8	49.5	45.3	45.3
82.5°	78.3	40.2	34.0	31.9	31.9
85°	44.3	22.7	19.6	19.6	19.6
87.5°	16.5	8.2	8.2	7.2	7.2
90°	0.8	10.0	26.8	25.3	26.1
92.5°	16.9	23.0	23.8	24.5	24.5
95°	39.9	47.5	49.1	49.1	47.5
97.5°	66.7	73.6	76.7	76.7	76.7
100°	97.4	103.5	105.8	105.8	105.1
102.5°	129.6	134.2	137.3	138.0	137.3
105°	164.9	167.2	168.7	170.2	170.2
107.5°	200.1	203.2	203.2	204.0	200.1
110°	233.9	238.5	238.5	238.5	236.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	270.7	275.3	274.5	272.2	270.7
115°	306.7	311.3	309.8	309.0	306.7
117.5°	342.8	348.9	345.1	342.8	340.5
120°	378.8	384.9	378.8	378.8	376.5
122.5°	411.8	419.4	415.6	413.3	411.8
125°	446.3	453.2	450.9	448.6	447.8
127.5°	480.0	488.4	485.4	482.3	480.0
130°	511.5	521.4	519.9	518.4	515.3
132.5°	546.7	554.4	555.2	551.3	549.0
135°	577.4	585.8	587.4	586.6	584.3
137.5°	611.1	618.0	619.6	618.8	615.7
140°	641.0	647.9	651.8	651.8	648.7
142.5°	671.7	678.6	680.9	681.7	678.6
145°	700.8	706.2	710.8	711.6	708.5
147.5°	726.9	733.8	736.9	738.4	735.4
150°	753.8	758.4	761.4	763.7	761.4
152.5°	777.5	782.1	786.0	789.0	786.0
155°	801.3	803.6	805.9	809.7	807.4
157.5°	822.0	823.5	825.1	830.4	826.6
160°	840.4	841.9	842.7	847.3	844.2
162.5°	857.3	857.3	858.0	863.4	859.6
165°	871.8	871.1	871.1	876.4	872.6
167.5°	884.9	882.6	882.6	887.9	884.1
170°	894.8	892.5	891.8	897.1	892.5
172.5°	901.7	899.4	898.7	904.0	899.4
175°	907.1	904.8	903.3	908.7	904.0
177.5°	910.2	907.9	906.3	911.0	906.3
180°	908.7	908.7	908.7	908.7	908.7

(END OF REPORT)