

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506608

Luminaire Tested: **24PD-35-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-35-PR1-L940
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

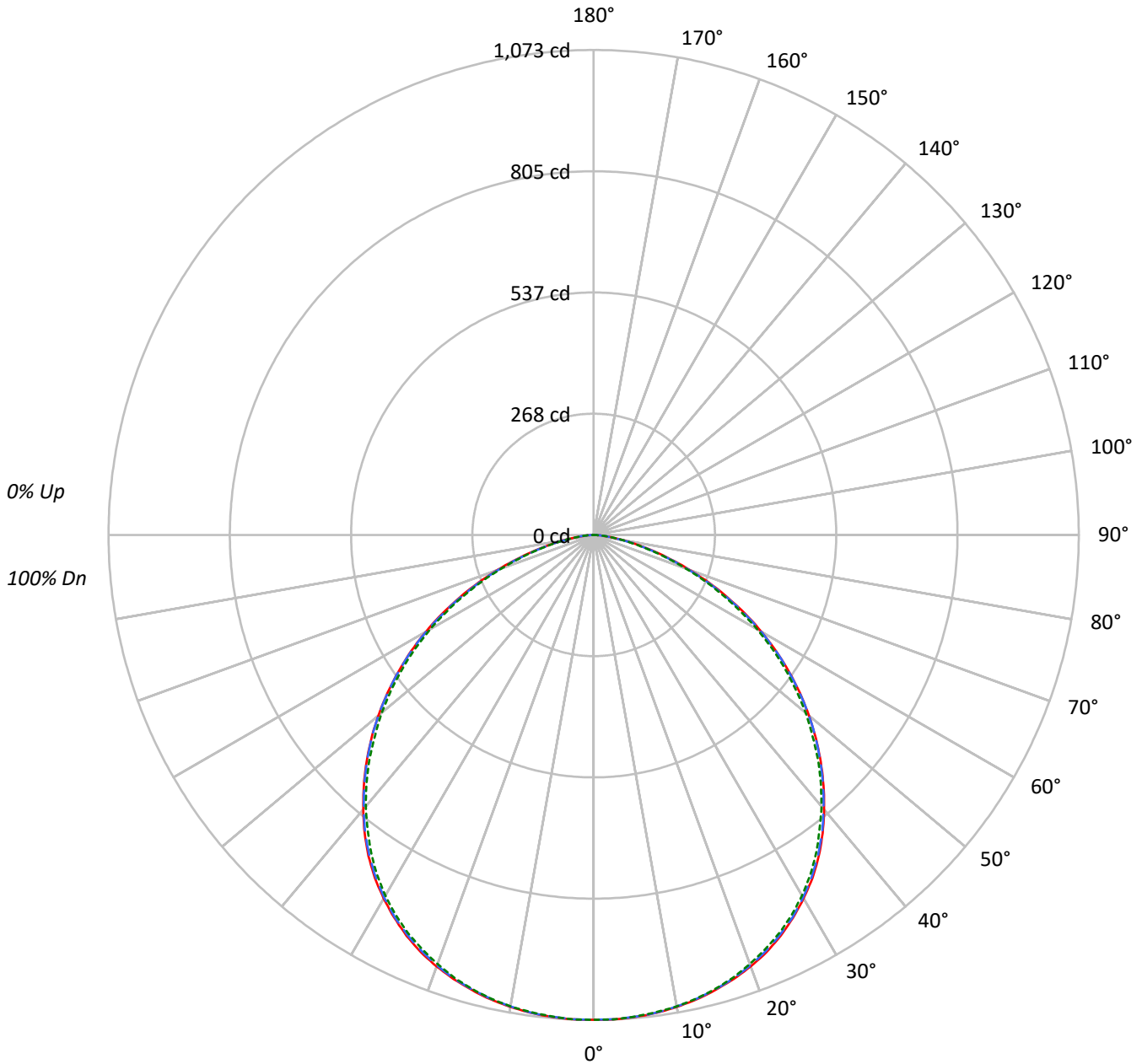
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2888.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.3
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

TEST NUMBER: P506608
CATALOG NUMBER: 24PD-35-PR1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P506608

CATALOG NUMBER: 24PD-35-PR1-L940

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1443	1443	1443
5°	1446	1445	1444
10°	1449	1447	1447
15°	1452	1450	1448
20°	1455	1451	1447
25°	1453	1449	1443
30°	1443	1439	1432
35°	1426	1421	1410
40°	1393	1389	1377
45°	1352	1349	1334
50°	1301	1301	1281
55°	1237	1235	1211
60°	1153	1149	1123
65°	1039	1027	1003
70°	887	874	852
75°	701	686	670
80°	498	485	470
85°	299	290	283



TEST NUMBER: P506608

CATALOG NUMBER: 24PD-35-PR1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	3.5
10°-20°	294.0	10.2
20°-30°	449.4	15.6
30°-40°	539.7	18.7
40°-50°	545.4	18.9
50°-60°	468.6	16.2
60°-70°	319.7	11.1
70°-80°	143.7	5.0
80°-90°	25.8	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	845.2	29.3
0°-40°	1384.8	48.0
0°-60°	2398.8	83.1
0°-90°	2888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1073	1073	1073	1073	1073	
5°	1070	1070	1070	1069	1069	102
15°	1042	1042	1041	1040	1040	294
25°	979	978	976	973	972	451
35°	868	868	865	860	858	542
45°	710	712	709	704	701	547
55°	528	529	526	522	516	471
65°	326	328	322	320	315	323
75°	135	136	132	131	129	146
85°	19	20	19	19	18	26
90°	0	0	0	0	0	



TEST NUMBER: P506608

CATALOG NUMBER: 24PD-35-PR1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1072.7	1072.7	1072.7	1072.7	1072.7
2.5°	1073.0	1072.7	1072.5	1071.9	1072.7
5°	1070.5	1070.2	1070.0	1069.4	1069.4
7.5°	1066.6	1066.1	1066.1	1065.3	1065.0
10°	1060.5	1060.3	1059.4	1059.4	1059.2
12.5°	1052.8	1052.2	1051.4	1051.1	1050.6
15°	1042.3	1042.0	1040.9	1040.0	1039.8
17.5°	1030.3	1029.5	1028.7	1026.7	1026.7
20°	1015.9	1015.4	1013.4	1011.5	1010.4
22.5°	999.3	998.2	996.0	994.1	991.8
25°	978.8	978.5	976.0	972.7	971.9
27.5°	955.0	955.5	953.0	949.7	948.1
30°	928.9	930.1	926.5	922.3	921.5
32.5°	900.4	900.7	897.6	893.2	891.5
35°	868.0	868.0	865.2	860.0	858.3
37.5°	832.0	831.7	830.0	823.9	820.9
40°	792.9	794.3	791.0	785.4	784.0
42.5°	752.5	754.1	751.1	746.4	743.3
45°	710.4	712.3	709.2	704.3	701.2
47.5°	666.9	668.2	666.0	659.7	655.5
50°	621.7	624.5	621.4	614.8	612.0
52.5°	575.2	578.2	574.6	569.6	564.3
55°	527.5	529.4	526.4	521.7	516.4
57.5°	478.5	482.3	477.4	471.8	467.4
60°	428.6	431.9	426.9	421.9	417.2
62.5°	377.9	380.1	374.6	371.5	366.0
65°	326.4	328.0	322.5	320.3	315.0
67.5°	275.4	276.8	271.5	268.5	265.4
70°	225.5	226.6	222.2	219.4	216.7
72.5°	178.4	178.7	174.5	173.7	170.4
75°	134.9	136.0	131.9	131.0	128.8
77.5°	97.0	97.2	94.5	93.9	92.0
80°	64.3	64.6	62.6	62.3	60.7
82.5°	38.8	39.1	37.4	37.4	36.3
85°	19.4	19.7	18.8	18.8	18.3
87.5°	6.6	6.9	6.6	6.6	6.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)