

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: P506365

Luminaire Tested: **22PD-55-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PR1-L940
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

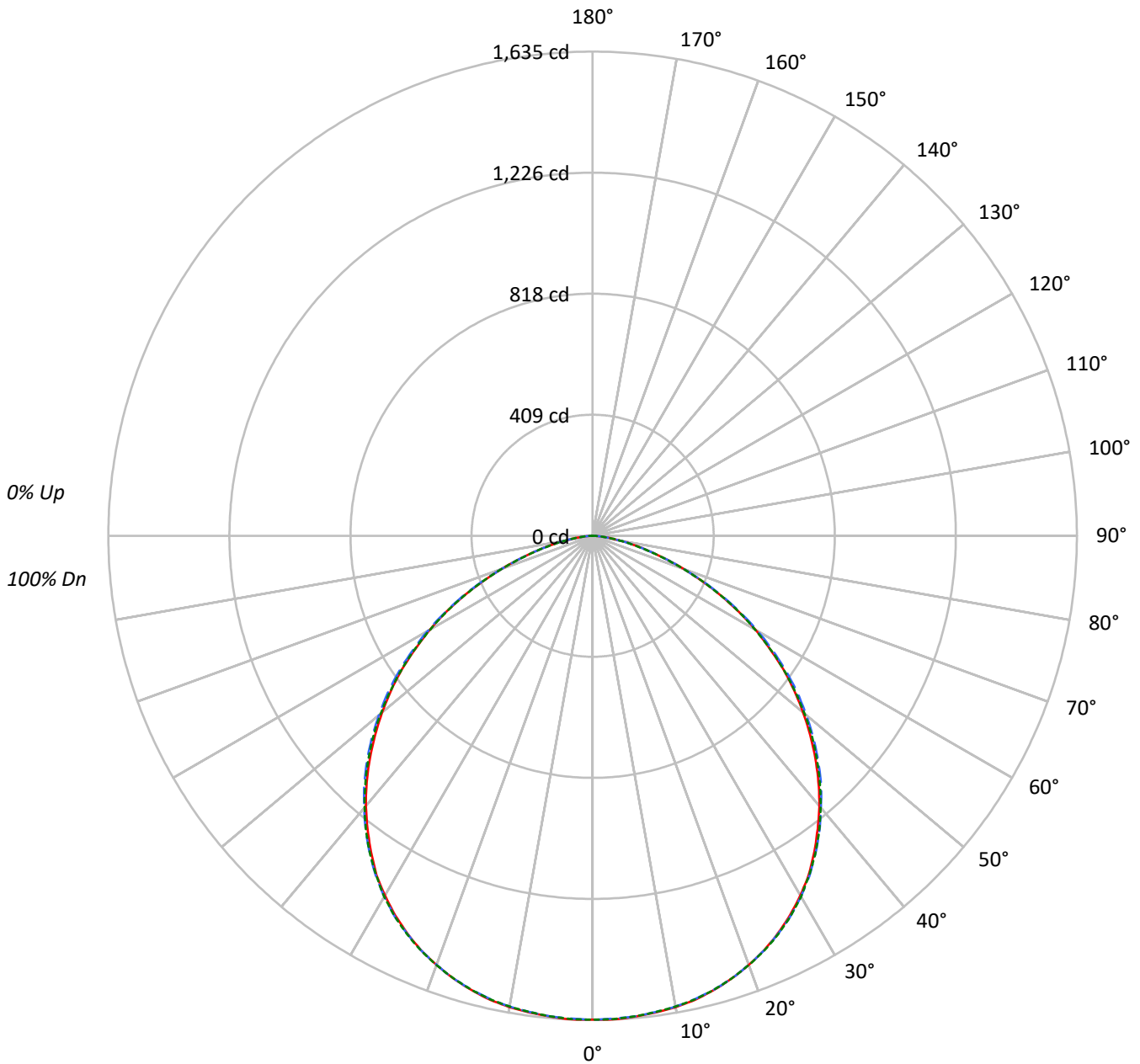
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4366.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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

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Luminous Intensity Polar Plot





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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	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4397	4397	4397
5°	4403	4400	4400
10°	4417	4411	4411
15°	4423	4418	4420
20°	4416	4415	4418
25°	4398	4402	4406
30°	4358	4371	4373
35°	4284	4308	4306
40°	4184	4213	4207
45°	4047	4099	4078
50°	3883	3942	3910
55°	3686	3744	3691
60°	3417	3464	3405
65°	3049	3080	3045
70°	2564	2564	2547
75°	2010	2010	1987
80°	1472	1455	1447
85°	960	960	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	3.6
10°-20°	447.8	10.3
20°-30°	683.0	15.6
30°-40°	818.5	18.7
40°-50°	826.7	18.9
50°-60°	707.3	16.2
60°-70°	476.9	10.9
70°-80°	210.4	4.8
80°-90°	40.4	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°	1285.7	29.4
0°-40°	2104.3	48.2
0°-60°	3638.2	83.3
0°-90°	4366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1634	1634	1634	1634	1634	
5°	1630	1628	1629	1628	1629	155
15°	1588	1587	1586	1585	1586	448
25°	1481	1483	1483	1483	1484	682
35°	1304	1312	1311	1310	1311	815
45°	1063	1072	1077	1075	1072	820
55°	786	793	798	797	787	700
65°	479	483	484	483	478	473
75°	193	194	193	194	191	210
85°	31	31	31	32	32	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1633.9	1633.9	1633.9	1633.9	1633.9
2.5°	1635.0	1632.8	1632.3	1631.7	1633.9
5°	1630.1	1627.9	1629.0	1627.9	1629.0
7.5°	1624.1	1621.9	1622.4	1621.3	1622.4
10°	1616.4	1614.3	1614.3	1613.2	1614.3
12.5°	1604.4	1602.8	1602.2	1601.2	1602.8
15°	1587.5	1587.0	1585.9	1585.3	1586.4
17.5°	1566.8	1565.7	1566.8	1565.1	1566.2
20°	1542.2	1542.7	1541.6	1542.2	1542.7
22.5°	1514.4	1514.4	1514.9	1514.9	1516.0
25°	1481.1	1482.7	1482.7	1482.7	1483.8
27.5°	1443.9	1446.1	1447.8	1446.7	1447.8
30°	1402.4	1406.3	1406.8	1406.3	1407.4
32.5°	1357.7	1360.4	1362.0	1361.0	1359.9
35°	1304.2	1311.8	1311.3	1310.2	1310.7
37.5°	1247.9	1255.6	1258.3	1256.1	1256.7
40°	1191.2	1197.7	1199.4	1199.9	1197.7
42.5°	1128.4	1136.0	1142.0	1139.3	1136.0
45°	1063.4	1071.6	1077.1	1075.4	1071.6
47.5°	996.3	1003.9	1011.6	1008.8	1005.0
50°	927.5	935.1	941.7	940.6	934.0
52.5°	857.1	865.8	871.8	869.6	860.9
55°	785.6	792.7	798.1	797.0	786.7
57.5°	708.0	717.3	720.1	718.4	710.8
60°	634.9	640.9	643.6	641.4	632.7
62.5°	556.8	561.7	563.9	563.4	557.4
65°	478.8	482.6	483.7	482.6	478.2
67.5°	398.5	404.0	404.5	404.5	400.2
70°	325.9	327.5	325.9	330.3	323.7
72.5°	255.5	256.6	255.5	255.5	252.8
75°	193.3	193.8	193.3	193.8	191.1
77.5°	139.8	140.8	138.7	140.3	137.6
80°	95.0	95.0	93.9	94.4	93.4
82.5°	59.0	60.0	58.4	58.4	57.9
85°	31.1	31.1	31.1	31.7	31.7
87.5°	10.9	10.9	11.5	11.5	10.9
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)