

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: P506362

Luminaire Tested: **22PD-55-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506362
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-L927
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

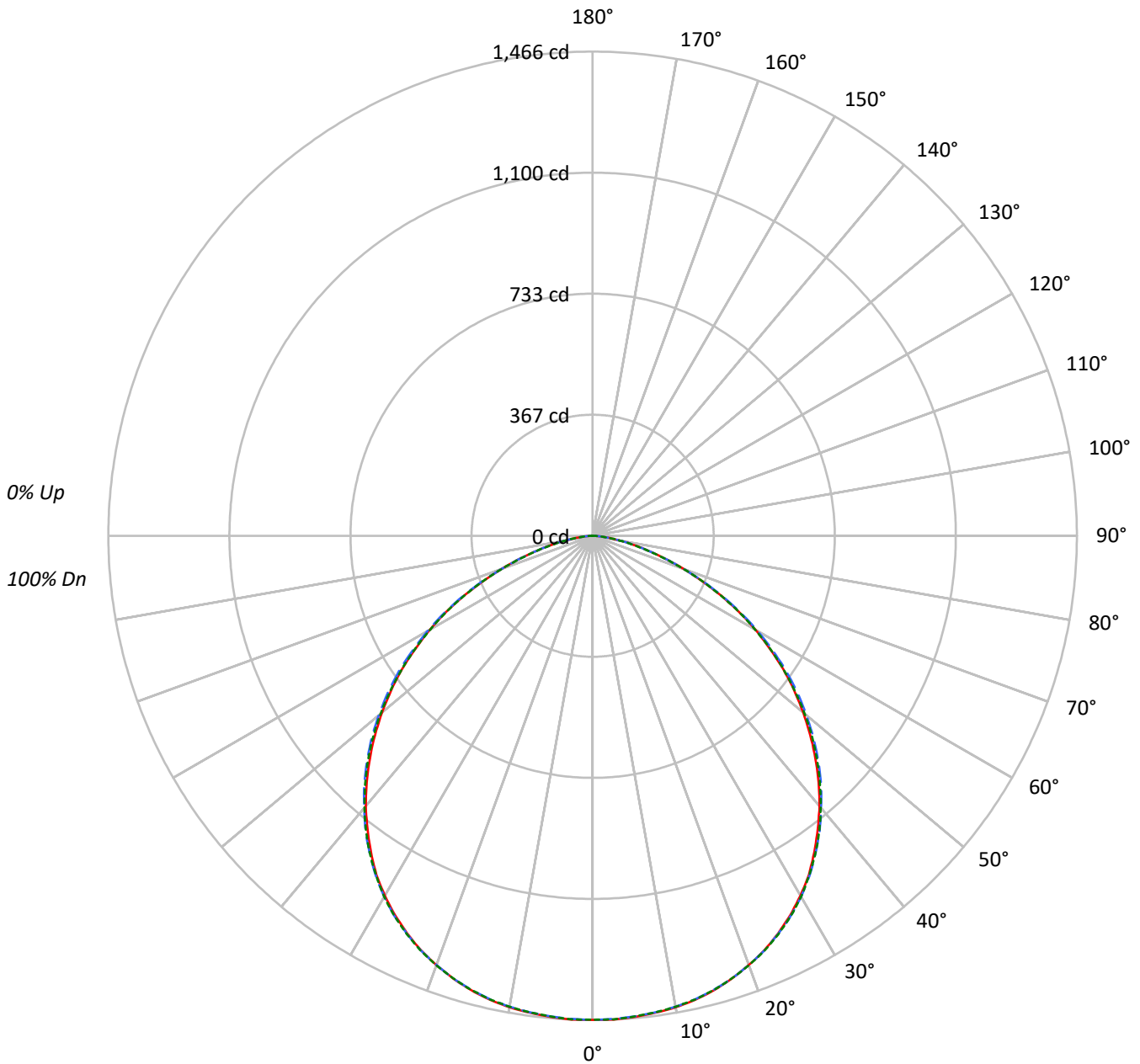
Lumens per Lamp: N/A
Luminaire Lumens: 3916.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P506362

CATALOG NUMBER: 22PD-55-PR1-L927

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°	3944	3944	3944
5°	3950	3947	3947
10°	3962	3956	3956
15°	3967	3963	3964
20°	3961	3960	3962
25°	3944	3949	3951
30°	3909	3921	3922
35°	3843	3864	3862
40°	3753	3779	3774
45°	3630	3677	3658
50°	3483	3536	3507
55°	3306	3359	3310
60°	3065	3107	3054
65°	2734	2762	2731
70°	2300	2300	2285
75°	1802	1802	1782
80°	1320	1305	1297
85°	861	861	877



TEST NUMBER: P506362

CATALOG NUMBER: 22PD-55-PR1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.6
10°-20°	401.6	10.3
20°-30°	612.6	15.6
30°-40°	734.2	18.7
40°-50°	741.5	18.9
50°-60°	634.4	16.2
60°-70°	427.8	10.9
70°-80°	188.7	4.8
80°-90°	36.2	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°	1153.2	29.4
0°-40°	1887.4	48.2
0°-60°	3263.3	83.3
0°-90°	3916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1466	1466	1466	1466	1466	
5°	1462	1460	1461	1460	1461	139
15°	1424	1423	1422	1422	1423	402
25°	1328	1330	1330	1330	1331	612
35°	1170	1177	1176	1175	1176	731
45°	954	961	966	965	961	735
55°	705	711	716	715	706	628
65°	429	433	434	433	429	424
75°	173	174	173	174	171	189
85°	28	28	28	28	28	36
90°	0	0	0	0	0	



TEST NUMBER: P506362

CATALOG NUMBER: 22PD-55-PR1-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1465.5	1465.5	1465.5	1465.5	1465.5
2.5°	1466.5	1464.5	1464.0	1463.5	1465.5
5°	1462.1	1460.1	1461.1	1460.1	1461.1
7.5°	1456.7	1454.7	1455.2	1454.2	1455.2
10°	1449.8	1447.9	1447.9	1446.9	1447.9
12.5°	1439.1	1437.6	1437.1	1436.1	1437.6
15°	1423.9	1423.4	1422.4	1421.9	1422.9
17.5°	1405.3	1404.3	1405.3	1403.8	1404.8
20°	1383.2	1383.7	1382.8	1383.2	1383.7
22.5°	1358.3	1358.3	1358.8	1358.8	1359.7
25°	1328.4	1329.9	1329.9	1329.9	1330.8
27.5°	1295.1	1297.1	1298.5	1297.6	1298.5
30°	1257.9	1261.3	1261.8	1261.3	1262.3
32.5°	1217.7	1220.2	1221.7	1220.7	1219.7
35°	1169.8	1176.6	1176.1	1175.1	1175.6
37.5°	1119.3	1126.2	1128.6	1126.7	1127.2
40°	1068.4	1074.3	1075.7	1076.2	1074.3
42.5°	1012.1	1018.9	1024.3	1021.9	1018.9
45°	953.8	961.2	966.1	964.6	961.2
47.5°	893.6	900.5	907.3	904.9	901.4
50°	831.9	838.8	844.6	843.7	837.8
52.5°	768.7	776.6	782.0	780.0	772.2
55°	704.6	711.0	715.9	714.9	705.6
57.5°	635.1	643.4	645.8	644.4	637.5
60°	569.5	574.8	577.3	575.3	567.5
62.5°	499.4	503.8	505.8	505.3	499.9
65°	429.4	432.8	433.8	432.8	428.9
67.5°	357.4	362.3	362.8	362.8	358.9
70°	292.3	293.8	292.3	296.2	290.4
72.5°	229.2	230.1	229.2	229.2	226.7
75°	173.3	173.8	173.3	173.8	171.4
77.5°	125.3	126.3	124.4	125.8	123.4
80°	85.2	85.2	84.2	84.7	83.7
82.5°	52.9	53.9	52.4	52.4	51.9
85°	27.9	27.9	27.9	28.4	28.4
87.5°	9.8	9.8	10.3	10.3	9.8
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)