

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: P506389

Luminaire Tested: **22PD-60-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506389
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-60-PR1-L927
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

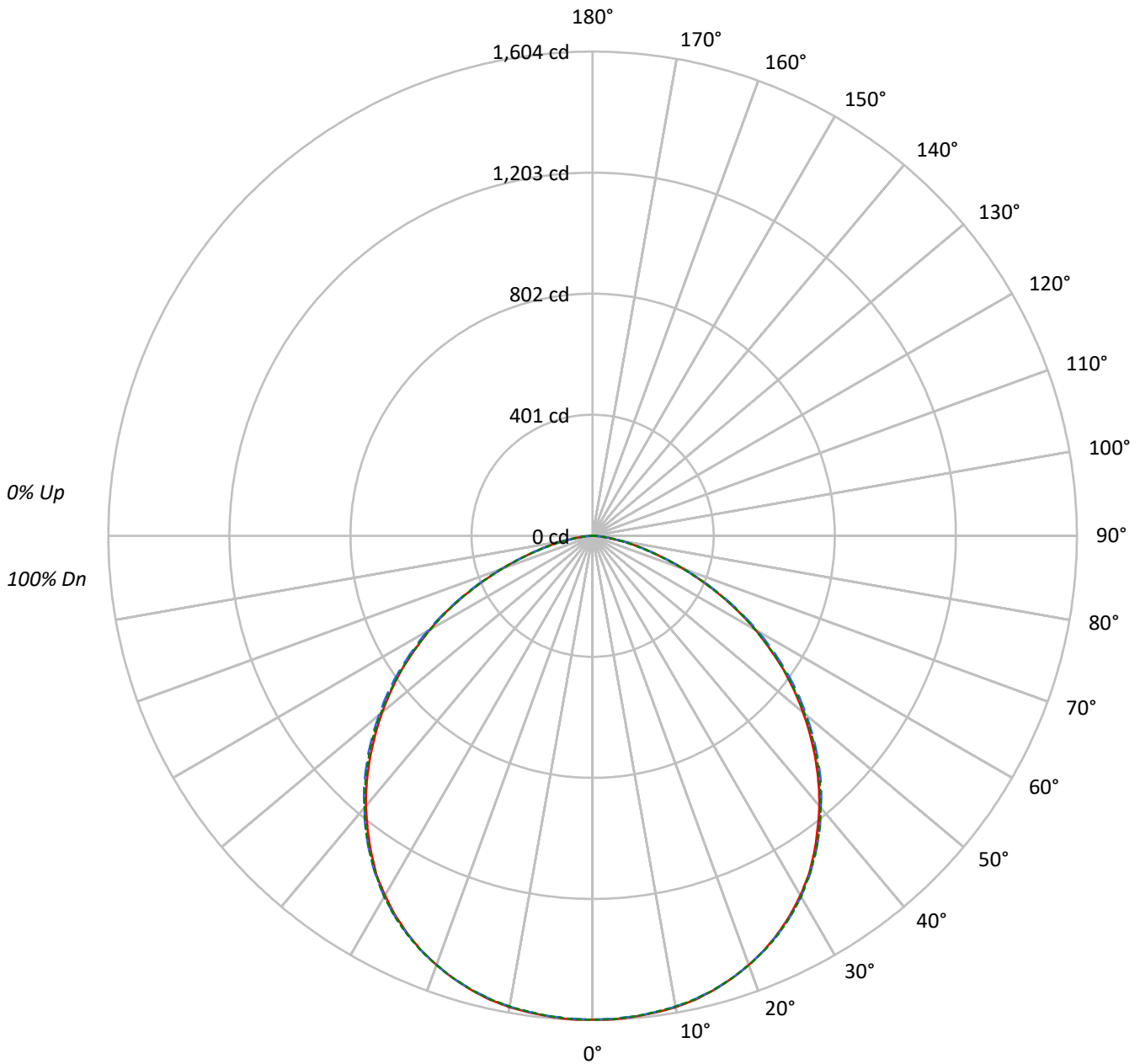
Lumens per Lamp: N/A
Luminaire Lumens: 4283.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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°	4313	4313	4313
5°	4320	4317	4317
10°	4333	4327	4327
15°	4338	4334	4336
20°	4332	4331	4334
25°	4314	4319	4322
30°	4275	4288	4290
35°	4203	4226	4224
40°	4105	4133	4128
45°	3970	4021	4000
50°	3809	3867	3836
55°	3615	3673	3620
60°	3352	3398	3341
65°	2991	3021	2987
70°	2515	2515	2499
75°	1971	1971	1948
80°	1444	1427	1420
85°	942	942	960



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	3.6
10°-20°	439.2	10.3
20°-30°	670.0	15.6
30°-40°	803.0	18.7
40°-50°	811.0	18.9
50°-60°	693.8	16.2
60°-70°	467.9	10.9
70°-80°	206.4	4.8
80°-90°	39.6	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°	1261.3	29.4
0°-40°	2064.3	48.2
0°-60°	3569.1	83.3
0°-90°	4283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1603	1603	1603	1603	1603	
5°	1599	1597	1598	1597	1598	152
15°	1557	1557	1556	1555	1556	440
25°	1453	1454	1454	1454	1456	669
35°	1279	1287	1286	1285	1286	800
45°	1043	1051	1057	1055	1051	804
55°	771	778	783	782	772	687
65°	470	473	474	473	469	464
75°	190	190	190	190	187	206
85°	30	30	30	31	31	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1602.8	1602.8	1602.8	1602.8	1602.8
2.5°	1603.9	1601.8	1601.2	1600.7	1602.8
5°	1599.1	1597.0	1598.0	1597.0	1598.0
7.5°	1593.2	1591.1	1591.6	1590.5	1591.6
10°	1585.7	1583.6	1583.6	1582.5	1583.6
12.5°	1573.9	1572.3	1571.8	1570.7	1572.3
15°	1557.3	1556.8	1555.7	1555.2	1556.3
17.5°	1537.0	1535.9	1537.0	1535.4	1536.4
20°	1512.9	1513.4	1512.3	1512.9	1513.4
22.5°	1485.6	1485.6	1486.1	1486.1	1487.2
25°	1452.9	1454.5	1454.5	1454.5	1455.6
27.5°	1416.5	1418.6	1420.2	1419.2	1420.2
30°	1375.8	1379.5	1380.1	1379.5	1380.6
32.5°	1331.9	1334.5	1336.1	1335.1	1334.0
35°	1279.4	1286.9	1286.3	1285.3	1285.8
37.5°	1224.2	1231.7	1234.4	1232.3	1232.8
40°	1168.5	1175.0	1176.6	1177.1	1175.0
42.5°	1106.9	1114.4	1120.3	1117.7	1114.4
45°	1043.2	1051.2	1056.6	1055.0	1051.2
47.5°	977.3	984.8	992.3	989.7	985.9
50°	909.9	917.4	923.8	922.7	916.3
52.5°	840.8	849.4	855.2	853.1	844.5
55°	770.6	777.6	782.9	781.9	771.7
57.5°	694.6	703.7	706.4	704.8	697.3
60°	622.8	628.7	631.4	629.2	620.7
62.5°	546.2	551.1	553.2	552.7	546.8
65°	469.7	473.4	474.5	473.4	469.1
67.5°	390.9	396.3	396.8	396.8	392.5
70°	319.7	321.3	319.7	324.0	317.6
72.5°	250.6	251.7	250.6	250.6	248.0
75°	189.6	190.1	189.6	190.1	187.4
77.5°	137.1	138.2	136.0	137.6	135.0
80°	93.2	93.2	92.1	92.6	91.6
82.5°	57.8	58.9	57.3	57.3	56.8
85°	30.5	30.5	30.5	31.1	31.1
87.5°	10.7	10.7	11.2	11.2	10.7
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)