

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: P506047

Luminaire Tested: **14PD-60-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PW1-L927
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

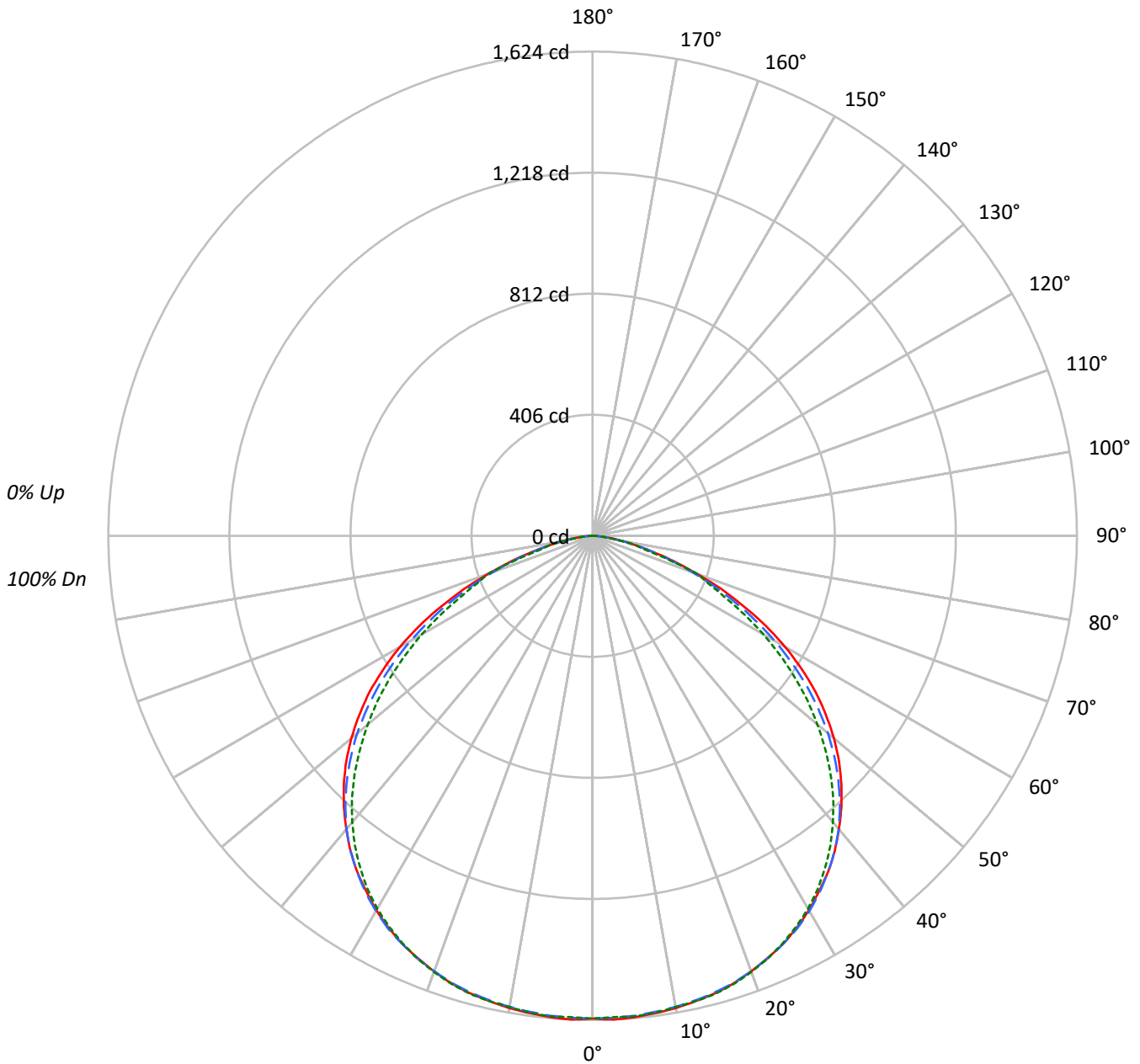
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4610.8 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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

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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			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	97	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	77	83	79	76	80	77	74	72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4357	4357	4357
5°	4378	4366	4371
10°	4396	4384	4386
15°	4426	4416	4431
20°	4453	4450	4458
25°	4486	4486	4478
30°	4507	4516	4488
35°	4522	4522	4465
40°	4514	4510	4404
45°	4489	4437	4294
50°	4421	4314	4119
55°	4285	4105	3881
60°	4014	3793	3556
65°	3555	3351	3130
70°	2902	2772	2924
75°	2189	2150	1932
80°	1574	1475	1475
85°	988	932	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	3.3
10°-20°	448.2	9.7
20°-30°	695.7	15.1
30°-40°	856.9	18.6
40°-50°	892.1	19.3
50°-60°	775.8	16.8
60°-70°	521.2	11.3
70°-80°	225.6	4.9
80°-90°	41.4	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°	1297.8	28.1
0°-40°	2154.7	46.7
0°-60°	3822.6	82.9
0°-90°	4610.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4610.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1619	1619	1619	1619	1619	
5°	1621	1611	1616	1620	1618	154
15°	1589	1578	1585	1591	1591	449
25°	1511	1504	1511	1511	1508	696
35°	1376	1373	1376	1365	1359	860
45°	1180	1176	1166	1139	1128	909
55°	913	897	875	840	827	812
65°	558	548	526	502	492	553
75°	210	212	207	211	186	232
85°	32	33	30	26	26	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1619.0	1619.0	1619.0	1619.0	1619.0
2.5°	1624.5	1614.4	1618.1	1623.6	1616.2
5°	1620.8	1610.7	1616.2	1619.9	1618.1
7.5°	1615.3	1608.0	1610.7	1614.4	1613.5
10°	1608.9	1601.6	1604.3	1608.0	1605.2
12.5°	1598.8	1590.6	1596.1	1599.8	1598.8
15°	1588.8	1577.8	1585.1	1590.6	1590.6
17.5°	1574.1	1565.0	1572.3	1576.9	1576.0
20°	1554.9	1548.5	1554.0	1557.7	1556.7
22.5°	1532.9	1528.4	1534.8	1534.8	1534.8
25°	1511.0	1503.7	1511.0	1511.0	1508.2
27.5°	1482.6	1476.2	1485.4	1482.6	1478.0
30°	1450.6	1446.9	1453.3	1448.8	1444.2
32.5°	1413.1	1411.2	1417.6	1408.5	1404.8
35°	1376.5	1372.8	1376.5	1364.6	1359.1
37.5°	1333.4	1329.8	1333.4	1317.9	1309.6
40°	1284.9	1282.2	1284.0	1263.9	1253.8
42.5°	1234.6	1231.9	1227.3	1202.6	1194.3
45°	1179.7	1176.0	1166.0	1139.4	1128.4
47.5°	1121.1	1114.7	1100.1	1071.7	1057.0
50°	1056.1	1047.0	1030.5	999.4	983.8
52.5°	985.7	974.7	953.6	922.5	907.9
55°	913.4	896.9	874.9	840.1	827.3
57.5°	831.0	813.6	790.7	758.7	744.1
60°	745.9	728.5	704.7	675.4	660.8
62.5°	655.3	639.7	615.9	588.5	575.7
65°	558.3	548.2	526.2	501.5	491.5
67.5°	466.7	456.7	438.4	417.3	421.0
70°	368.8	367.9	352.3	337.7	371.6
72.5°	287.4	285.5	277.3	270.0	268.2
75°	210.5	212.3	206.8	211.4	185.8
77.5°	148.3	150.1	149.2	136.4	142.8
80°	101.6	101.6	95.2	90.6	95.2
82.5°	61.3	73.2	65.9	54.0	52.2
85°	32.0	32.9	30.2	26.5	26.5
87.5°	11.9	13.7	11.9	11.0	10.1
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)