

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: P506455

Luminaire Tested: **22PD-70-PW1-L940**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PW1-L940
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

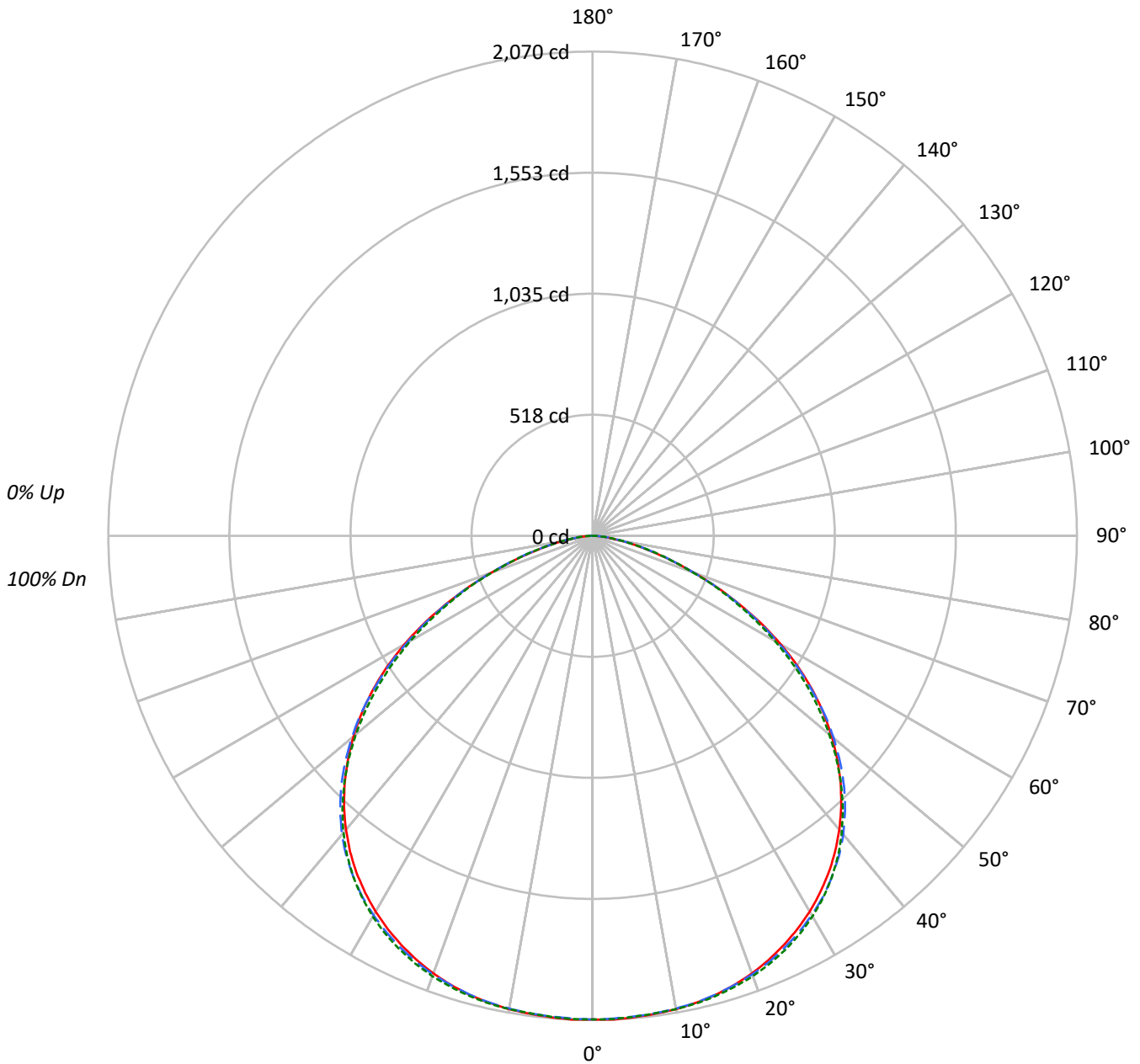
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5977.6 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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	100	100	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85	85	85	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72	72	72	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61	61	61	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52	52	52	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45	45	45	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39	39	39	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35	35	35	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31	31	31	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28	28	28	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25	25	25	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5565	5565	5565
5°	5580	5572	5574
10°	5616	5608	5614
15°	5660	5658	5675
20°	5702	5714	5738
25°	5736	5769	5796
30°	5764	5819	5840
35°	5778	5854	5856
40°	5761	5854	5821
45°	5704	5786	5715
50°	5588	5628	5526
55°	5371	5347	5246
60°	5000	4944	4841
65°	4409	4367	4282
70°	3611	3629	3553
75°	2735	2828	2805
80°	1982	2061	2027
85°	1300	1346	1439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	3.3
10°-20°	574.3	9.6
20°-30°	895.4	15.0
30°-40°	1109.8	18.6
40°-50°	1161.3	19.4
50°-60°	1011.9	16.9
60°-70°	677.9	11.3
70°-80°	293.8	4.9
80°-90°	56.6	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°	1666.3	27.9
0°-40°	2776.1	46.4
0°-60°	4949.3	82.8
0°-90°	5977.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5977.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2068	2068	2068	2068	2068	
5°	2066	2064	2063	2062	2064	197
15°	2032	2029	2031	2033	2037	574
25°	1932	1933	1943	1949	1952	891
35°	1759	1766	1782	1784	1783	1100
45°	1499	1507	1520	1508	1502	1154
55°	1145	1144	1140	1127	1118	1019
65°	692	689	686	679	672	685
75°	263	268	272	270	270	290
85°	42	45	44	44	47	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2067.9	2067.9	2067.9	2067.9	2067.9
2.5°	2070.1	2066.4	2065.7	2065.7	2067.9
5°	2065.7	2063.5	2062.7	2062.0	2063.5
7.5°	2061.3	2058.3	2059.0	2057.6	2059.0
10°	2055.3	2052.4	2052.4	2052.4	2054.6
12.5°	2045.0	2042.8	2043.5	2045.0	2047.9
15°	2031.7	2028.7	2030.9	2033.2	2036.9
17.5°	2013.2	2011.0	2014.7	2018.4	2021.3
20°	1991.0	1988.8	1995.5	2000.6	2003.6
22.5°	1963.7	1963.0	1971.8	1977.7	1980.0
25°	1931.9	1932.7	1943.0	1948.9	1951.9
27.5°	1895.7	1897.2	1910.5	1915.7	1918.6
30°	1855.1	1858.7	1872.8	1877.2	1879.4
32.5°	1809.2	1814.4	1831.4	1834.4	1834.4
35°	1759.0	1765.6	1781.9	1784.1	1782.6
37.5°	1702.8	1710.2	1728.7	1725.7	1723.5
40°	1640.0	1648.1	1666.6	1660.7	1657.0
42.5°	1572.7	1580.9	1597.1	1588.2	1583.1
45°	1498.8	1507.0	1520.3	1507.7	1501.8
47.5°	1419.0	1428.6	1435.3	1421.2	1413.8
50°	1334.8	1337.7	1344.4	1328.1	1320.0
52.5°	1243.1	1243.1	1248.3	1230.5	1220.9
55°	1144.8	1144.1	1139.6	1127.1	1118.2
57.5°	1040.6	1036.2	1033.2	1019.9	1009.6
60°	929.0	922.4	918.7	907.6	899.4
62.5°	812.2	808.5	804.1	795.2	786.4
65°	692.5	688.8	685.9	679.2	672.5
67.5°	573.5	571.3	571.3	566.9	566.1
70°	459.0	460.4	461.2	461.2	451.6
72.5°	355.5	356.2	359.9	357.0	356.2
75°	263.1	267.5	272.0	269.8	269.8
77.5°	189.2	195.9	195.9	194.4	192.2
80°	127.9	130.8	133.0	132.3	130.8
82.5°	81.3	83.5	81.3	82.8	83.5
85°	42.1	45.1	43.6	44.3	46.6
87.5°	14.0	15.5	16.3	15.5	15.5
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)