

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: P506281

Luminaire Tested: **22PD-40-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506281
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-40-PR1-L927
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

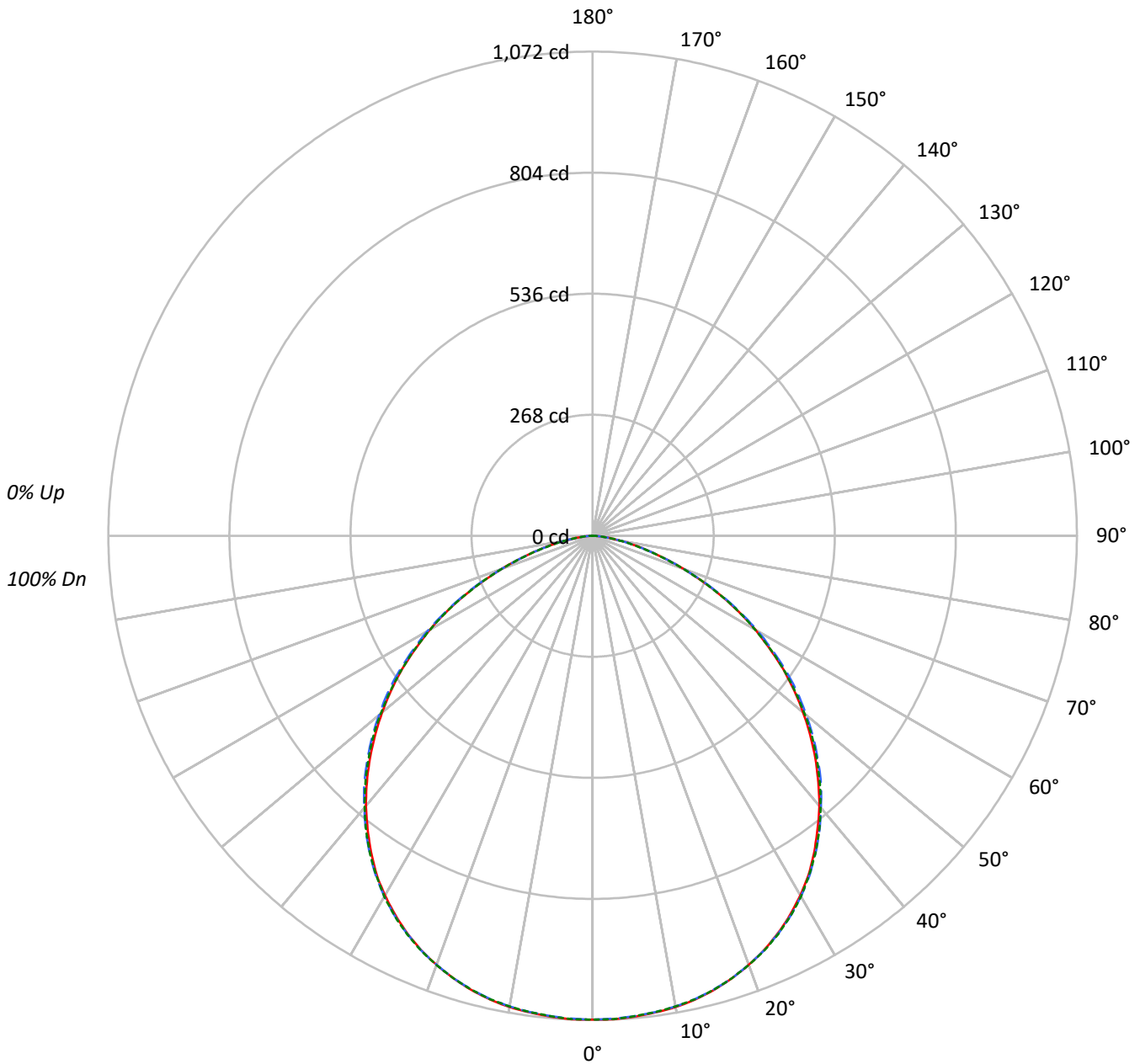
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2862.0 lumens
Efficiency: N/A
Efficacy: 87.8 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): 32.6
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
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2882	2882	2882
5°	2887	2884	2884
10°	2895	2892	2892
15°	2899	2896	2897
20°	2895	2894	2896
25°	2883	2886	2888
30°	2857	2866	2866
35°	2808	2824	2823
40°	2743	2762	2758
45°	2653	2687	2673
50°	2545	2584	2563
55°	2416	2455	2419
60°	2240	2271	2232
65°	1998	2019	1996
70°	1681	1681	1670
75°	1317	1317	1302
80°	965	955	948
85°	630	630	642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	3.6
10°-20°	293.5	10.3
20°-30°	447.7	15.6
30°-40°	536.6	18.7
40°-50°	541.9	18.9
50°-60°	463.6	16.2
60°-70°	312.6	10.9
70°-80°	137.9	4.8
80°-90°	26.5	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°	842.8	29.4
0°-40°	1379.4	48.2
0°-60°	2384.9	83.3
0°-90°	2862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1071	1071	1071	1071	1071	
5°	1069	1067	1068	1067	1068	102
15°	1041	1040	1040	1039	1040	294
25°	971	972	972	972	973	447
35°	855	860	860	859	859	534
45°	697	702	706	705	702	537
55°	515	520	523	522	516	459
65°	314	316	317	316	314	310
75°	127	127	127	127	125	138
85°	20	20	20	21	21	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1071.1	1071.1	1071.1	1071.1	1071.1
2.5°	1071.8	1070.3	1070.0	1069.6	1071.1
5°	1068.6	1067.1	1067.8	1067.1	1067.8
7.5°	1064.6	1063.2	1063.5	1062.8	1063.5
10°	1059.6	1058.2	1058.2	1057.5	1058.2
12.5°	1051.7	1050.7	1050.3	1049.6	1050.7
15°	1040.6	1040.3	1039.6	1039.2	1039.9
17.5°	1027.0	1026.3	1027.0	1026.0	1026.7
20°	1010.9	1011.3	1010.6	1010.9	1011.3
22.5°	992.7	992.7	993.0	993.0	993.8
25°	970.9	971.9	971.9	971.9	972.6
27.5°	946.5	948.0	949.0	948.3	949.0
30°	919.3	921.8	922.2	921.8	922.5
32.5°	890.0	891.8	892.8	892.1	891.4
35°	854.9	859.9	859.6	858.8	859.2
37.5°	818.1	823.1	824.9	823.4	823.8
40°	780.8	785.1	786.2	786.6	785.1
42.5°	739.7	744.7	748.6	746.8	744.7
45°	697.1	702.5	706.0	705.0	702.5
47.5°	653.1	658.1	663.1	661.3	658.8
50°	608.0	613.0	617.3	616.6	612.3
52.5°	561.8	567.6	571.5	570.1	564.3
55°	515.0	519.6	523.2	522.5	515.7
57.5°	464.1	470.2	472.0	470.9	465.9
60°	416.2	420.1	421.9	420.5	414.8
62.5°	365.0	368.2	369.7	369.3	365.4
65°	313.8	316.3	317.1	316.3	313.5
67.5°	261.2	264.8	265.2	265.2	262.3
70°	213.6	214.7	213.6	216.5	212.2
72.5°	167.5	168.2	167.5	167.5	165.7
75°	126.7	127.0	126.7	127.0	125.2
77.5°	91.6	92.3	90.9	92.0	90.2
80°	62.3	62.3	61.6	61.9	61.2
82.5°	38.6	39.4	38.3	38.3	37.9
85°	20.4	20.4	20.4	20.8	20.8
87.5°	7.2	7.2	7.5	7.5	7.2
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)