

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: P506227

Luminaire Tested: **22PD-30-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506227
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-30-PR1-L927
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

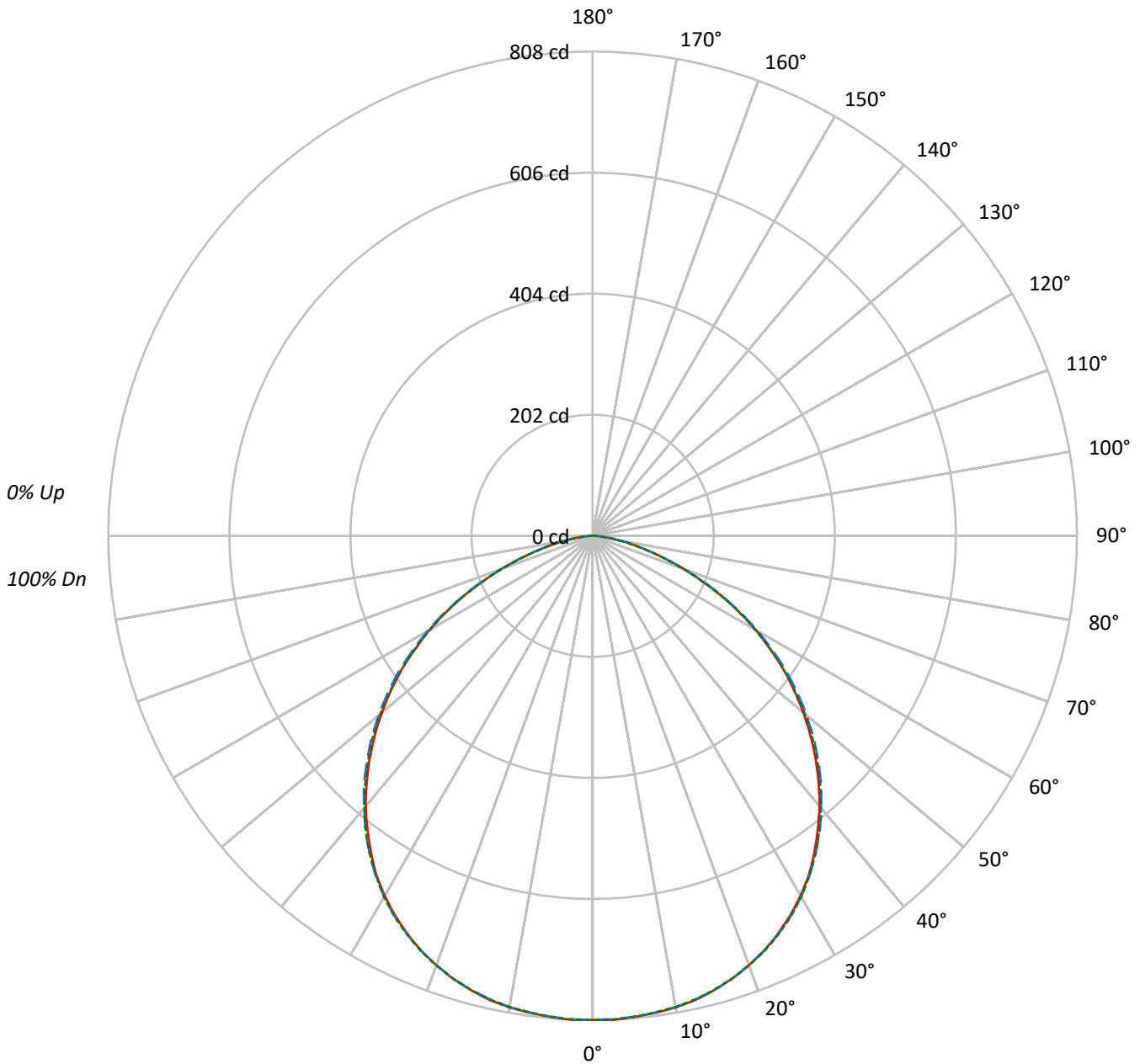
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2159.0 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): 24.6
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			
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°	2174	2174	2174
5°	2177	2176	2176
10°	2184	2181	2181
15°	2187	2185	2186
20°	2184	2183	2185
25°	2175	2177	2178
30°	2155	2162	2162
35°	2119	2130	2129
40°	2069	2083	2081
45°	2001	2027	2017
50°	1920	1950	1934
55°	1823	1852	1825
60°	1690	1713	1684
65°	1507	1523	1506
70°	1268	1268	1260
75°	994	994	983
80°	728	719	716
85°	475	475	485



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	3.6
10°-20°	221.4	10.3
20°-30°	337.7	15.6
30°-40°	404.8	18.7
40°-50°	408.8	18.9
50°-60°	349.8	16.2
60°-70°	235.9	10.9
70°-80°	104.1	4.8
80°-90°	20.0	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°	635.8	29.4
0°-40°	1040.6	48.2
0°-60°	1799.1	83.3
0°-90°	2159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	808	808	808	808	808	
5°	806	805	806	805	806	77
15°	785	785	784	784	784	222
25°	732	733	733	733	734	337
35°	645	649	648	648	648	403
45°	526	530	533	532	530	405
55°	388	392	395	394	389	346
65°	237	239	239	239	236	234
75°	96	96	96	96	94	104
85°	15	15	15	16	16	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	808.0	808.0	808.0	808.0	808.0
2.5°	808.5	807.4	807.2	806.9	808.0
5°	806.1	805.0	805.5	805.0	805.5
7.5°	803.1	802.0	802.3	801.8	802.3
10°	799.3	798.3	798.3	797.7	798.3
12.5°	793.4	792.6	792.3	791.8	792.6
15°	785.0	784.8	784.2	783.9	784.5
17.5°	774.8	774.2	774.8	774.0	774.5
20°	762.6	762.9	762.3	762.6	762.9
22.5°	748.9	748.9	749.1	749.1	749.7
25°	732.4	733.2	733.2	733.2	733.7
27.5°	714.0	715.1	715.9	715.4	715.9
30°	693.5	695.4	695.7	695.4	695.9
32.5°	671.4	672.7	673.5	673.0	672.5
35°	644.9	648.7	648.4	647.9	648.2
37.5°	617.1	620.9	622.2	621.2	621.4
40°	589.0	592.3	593.1	593.4	592.3
42.5°	558.0	561.8	564.7	563.4	561.8
45°	525.9	529.9	532.6	531.8	529.9
47.5°	492.7	496.4	500.2	498.9	497.0
50°	458.7	462.4	465.7	465.1	461.9
52.5°	423.8	428.1	431.1	430.0	425.7
55°	388.5	392.0	394.7	394.1	389.0
57.5°	350.1	354.7	356.1	355.3	351.5
60°	314.0	316.9	318.3	317.2	312.9
62.5°	275.4	277.8	278.9	278.6	275.6
65°	236.7	238.6	239.2	238.6	236.5
67.5°	197.1	199.8	200.0	200.0	197.9
70°	161.2	162.0	161.2	163.3	160.1
72.5°	126.3	126.9	126.3	126.3	125.0
75°	95.6	95.8	95.6	95.8	94.5
77.5°	69.1	69.6	68.6	69.4	68.0
80°	47.0	47.0	46.4	46.7	46.2
82.5°	29.2	29.7	28.9	28.9	28.6
85°	15.4	15.4	15.4	15.7	15.7
87.5°	5.4	5.4	5.7	5.7	5.4
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)