

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: P506578

Luminaire Tested: **24PD-30-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PR1-L927
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

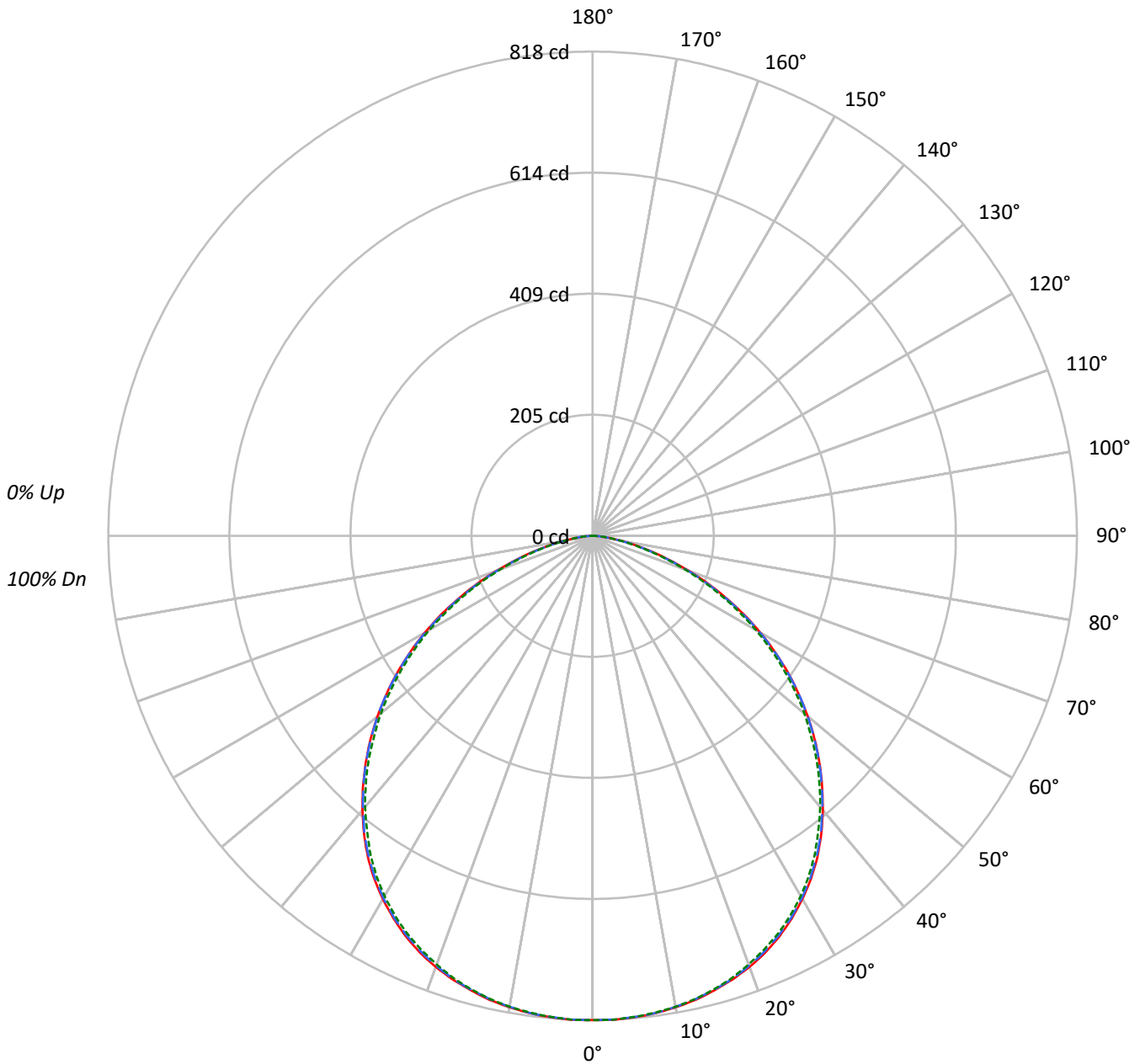
Lumens per Lamp: N/A
Luminaire Lumens: 2203.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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	98	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	78	84	79	76	81	77	74	72								
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61								
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52								
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46								
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40								
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35								
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32								
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28								
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1101	1101	1101
5°	1103	1102	1102
10°	1105	1104	1104
15°	1107	1106	1105
20°	1110	1107	1104
25°	1109	1105	1101
30°	1101	1098	1092
35°	1088	1084	1075
40°	1062	1060	1051
45°	1031	1029	1018
50°	993	992	977
55°	944	942	924
60°	880	876	857
65°	793	783	765
70°	677	667	650
75°	535	523	511
80°	380	370	359
85°	228	222	215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.5
10°-20°	224.2	10.2
20°-30°	342.8	15.6
30°-40°	411.7	18.7
40°-50°	416.0	18.9
50°-60°	357.5	16.2
60°-70°	243.8	11.1
70°-80°	109.6	5.0
80°-90°	19.7	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°	644.7	29.3
0°-40°	1056.4	48.0
0°-60°	1829.8	83.1
0°-90°	2203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	818	818	818	818	818	
5°	817	816	816	816	816	78
15°	795	795	794	793	793	225
25°	747	746	744	742	741	344
35°	662	662	660	656	655	413
45°	542	543	541	537	535	418
55°	402	404	402	398	394	359
65°	249	250	246	244	240	246
75°	103	104	101	100	98	112
85°	15	15	14	14	14	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	818.3	818.3	818.3	818.3	818.3
2.5°	818.5	818.3	818.1	817.7	818.3
5°	816.6	816.4	816.2	815.8	815.8
7.5°	813.6	813.2	813.2	812.6	812.4
10°	809.0	808.8	808.1	808.1	807.9
12.5°	803.1	802.7	802.0	801.8	801.4
15°	795.0	794.8	794.0	793.4	793.1
17.5°	786.0	785.3	784.7	783.2	783.2
20°	775.0	774.5	773.1	771.6	770.7
22.5°	762.3	761.4	759.8	758.3	756.6
25°	746.7	746.4	744.5	742.0	741.4
27.5°	728.5	728.9	727.0	724.5	723.2
30°	708.6	709.5	706.7	703.5	702.9
32.5°	686.8	687.1	684.7	681.3	680.1
35°	662.1	662.1	660.0	656.0	654.7
37.5°	634.6	634.4	633.2	628.5	626.2
40°	604.8	605.9	603.4	599.1	598.1
42.5°	574.0	575.3	572.9	569.3	567.0
45°	541.9	543.3	541.0	537.2	534.9
47.5°	508.7	509.7	508.1	503.2	500.0
50°	474.2	476.4	474.0	469.0	466.8
52.5°	438.7	441.1	438.3	434.5	430.5
55°	402.4	403.9	401.5	397.9	393.9
57.5°	365.0	367.9	364.1	359.9	356.5
60°	326.9	329.5	325.7	321.9	318.3
62.5°	288.3	290.0	285.7	283.4	279.2
65°	249.0	250.2	246.0	244.3	240.3
67.5°	210.1	211.1	207.1	204.8	202.5
70°	172.0	172.9	169.5	167.4	165.3
72.5°	136.1	136.3	133.1	132.5	130.0
75°	102.9	103.8	100.6	100.0	98.3
77.5°	74.0	74.2	72.1	71.6	70.2
80°	49.0	49.2	47.8	47.6	46.3
82.5°	29.6	29.8	28.5	28.5	27.7
85°	14.8	15.0	14.4	14.4	13.9
87.5°	5.1	5.3	5.1	5.1	4.9
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)