

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: P505876

Luminaire Tested: **14PD-30-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PR1-L927
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

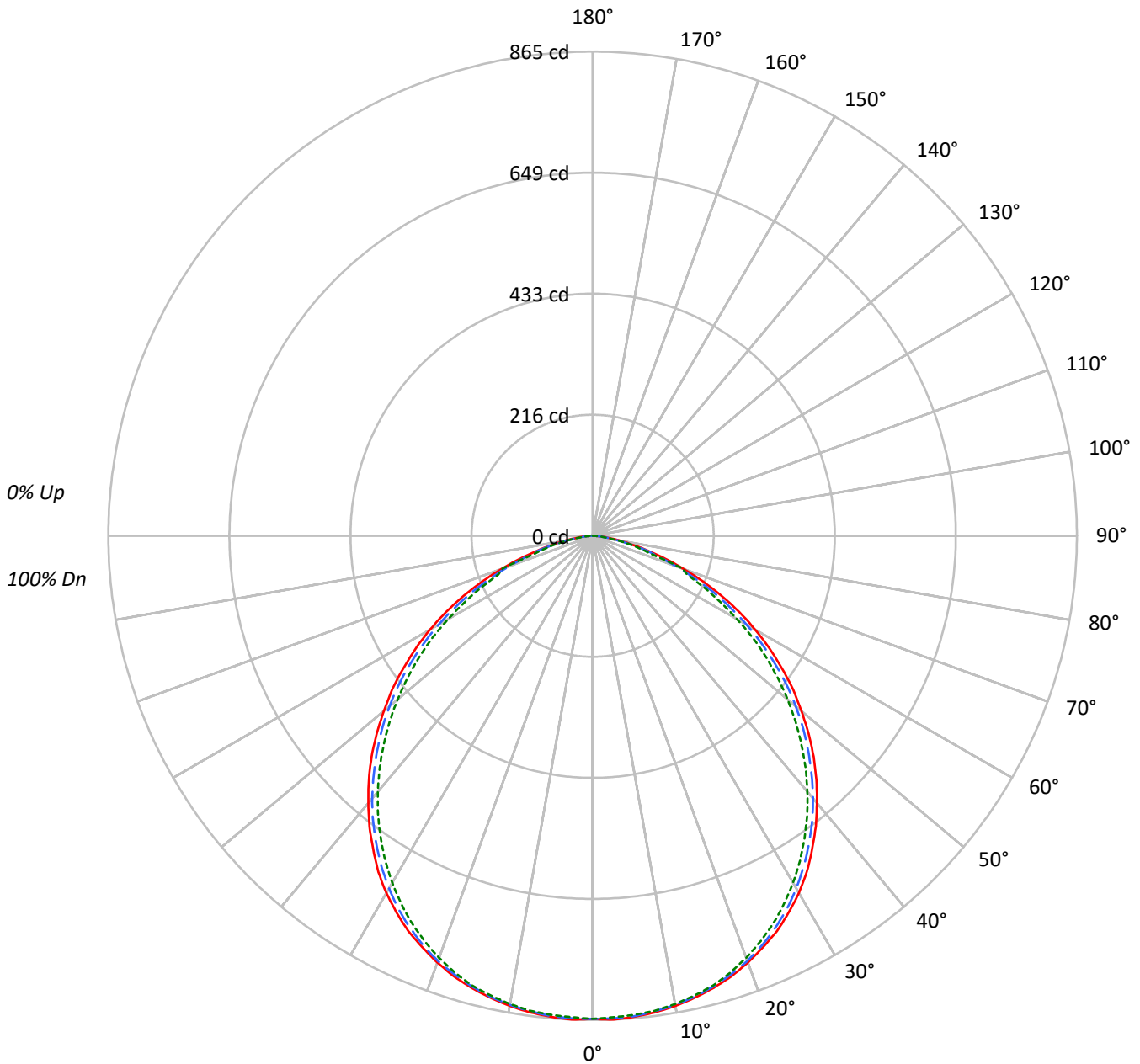
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2221.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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									
RC	80									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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2322	2322	2322
5°	2330	2327	2321
10°	2330	2326	2321
15°	2329	2322	2317
20°	2323	2315	2298
25°	2314	2293	2268
30°	2290	2261	2225
35°	2245	2212	2167
40°	2189	2152	2096
45°	2124	2073	2007
50°	2036	1983	1902
55°	1937	1861	1773
60°	1803	1709	1603
65°	1619	1505	1407
70°	1362	1241	1342
75°	1049	1009	907
80°	755	676	643
85°	463	395	355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	3.7
10°-20°	235.0	10.6
20°-30°	355.0	16.0
30°-40°	420.0	18.9
40°-50°	418.8	18.9
50°-60°	353.8	15.9
60°-70°	235.7	10.6
70°-80°	102.4	4.6
80°-90°	18.6	0.8
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°	671.8	30.2
0°-40°	1091.8	49.2
0°-60°	1864.3	83.9
0°-90°	2221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	863	863	863	863	863	
5°	863	859	861	860	859	82
15°	836	832	834	832	832	236
25°	779	774	772	766	764	359
35°	684	679	673	664	660	427
45°	558	553	545	533	528	430
55°	413	410	397	384	378	369
65°	254	251	236	226	221	251
75°	101	99	97	94	87	110
85°	15	15	13	12	12	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.0	863.0	863.0	863.0	863.0
2.5°	865.2	861.3	863.0	863.0	860.9
5°	862.6	859.2	861.3	860.5	859.2
7.5°	858.7	855.3	856.6	856.2	855.8
10°	852.8	849.3	851.1	850.2	849.3
12.5°	845.1	841.6	843.4	842.1	841.2
15°	836.1	832.2	833.5	832.2	831.8
17.5°	825.0	821.1	821.6	819.8	818.1
20°	811.3	807.9	808.3	804.0	802.3
22.5°	795.5	792.1	791.6	786.1	783.9
25°	779.2	774.1	772.4	765.6	763.9
27.5°	758.7	754.0	751.5	744.2	740.8
30°	736.9	731.8	727.5	719.4	716.0
32.5°	712.1	707.0	701.4	692.9	689.0
35°	683.5	678.8	673.2	664.3	659.6
37.5°	654.9	649.7	644.2	633.5	629.6
40°	623.2	618.5	612.5	601.0	596.7
42.5°	591.6	586.0	578.8	567.7	563.0
45°	558.2	553.1	544.6	533.0	527.5
47.5°	523.2	518.9	509.9	497.6	491.6
50°	486.4	483.0	473.6	459.9	454.4
52.5°	451.4	446.7	436.0	422.3	416.3
55°	412.9	409.9	396.7	383.8	377.9
57.5°	374.4	370.6	357.3	344.5	339.0
60°	335.1	331.7	317.6	304.8	297.9
62.5°	295.4	291.5	276.6	265.0	258.6
65°	254.3	251.3	236.4	226.1	221.0
67.5°	213.3	211.2	195.3	186.8	182.9
70°	173.1	170.1	157.7	154.3	170.6
72.5°	135.9	132.1	121.4	115.8	111.6
75°	100.9	98.7	97.0	93.6	87.2
77.5°	71.0	70.5	64.5	59.8	64.5
80°	48.7	50.4	43.6	39.8	41.5
82.5°	29.9	33.3	26.1	23.1	22.2
85°	15.0	15.4	12.8	12.0	11.5
87.5°	5.6	6.4	5.6	4.7	4.7
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)