

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: P505930

Luminaire Tested: **14PD-40-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505930
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-40-PR1-L927
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

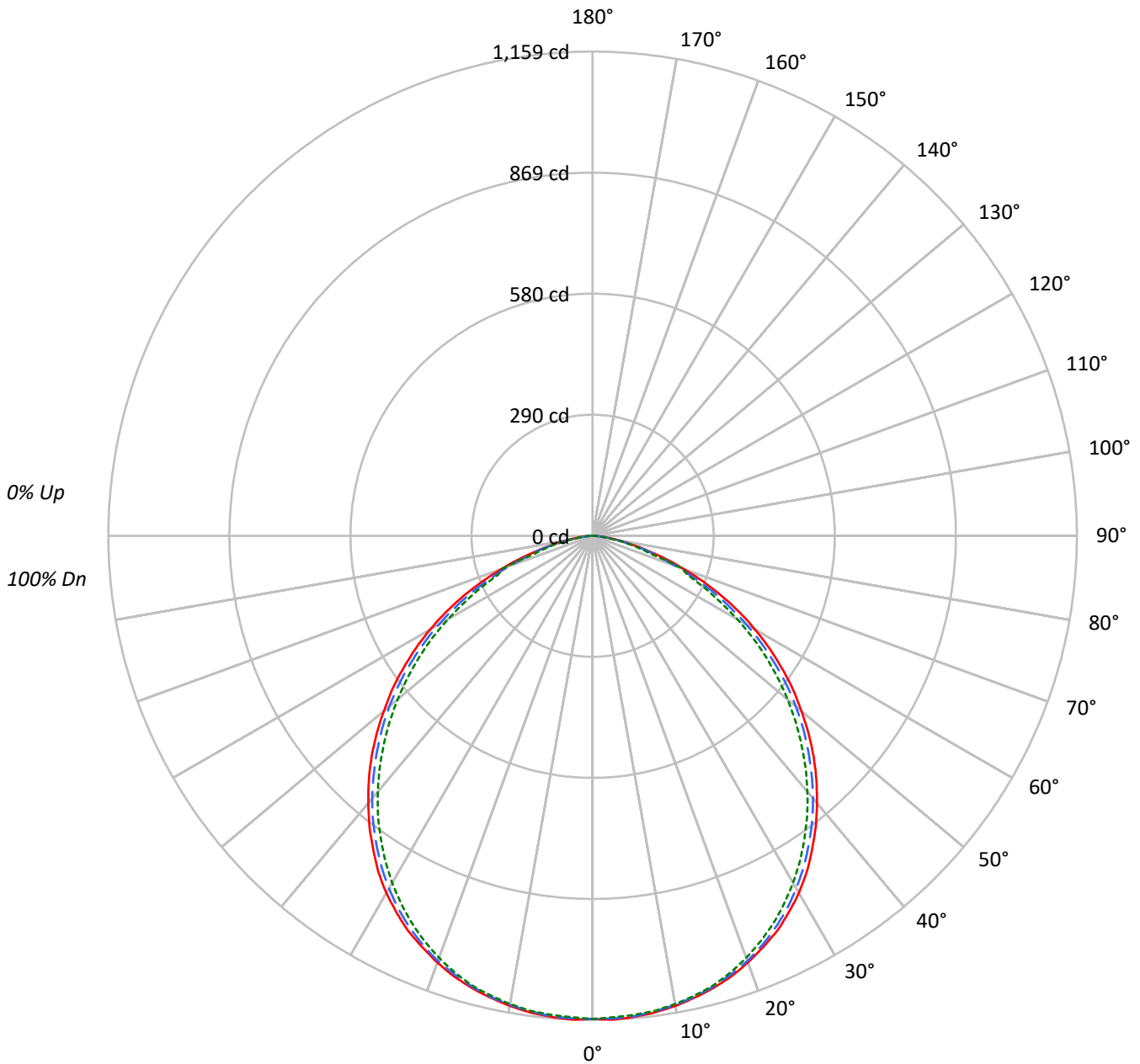
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2976.0 lumens
Efficiency: N/A
Efficacy: 78.7 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): 37.8
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°	3112	3112	3112
5°	3122	3118	3110
10°	3122	3116	3110
15°	3121	3112	3105
20°	3113	3102	3079
25°	3100	3073	3039
30°	3068	3029	2981
35°	3008	2963	2903
40°	2934	2883	2809
45°	2847	2777	2690
50°	2729	2657	2549
55°	2596	2494	2375
60°	2416	2291	2148
65°	2170	2017	1885
70°	1825	1662	1798
75°	1406	1352	1214
80°	1012	905	862
85°	618	531	479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	3.7
10°-20°	314.9	10.6
20°-30°	475.7	16.0
30°-40°	562.7	18.9
40°-50°	561.1	18.9
50°-60°	474.0	15.9
60°-70°	315.8	10.6
70°-80°	137.2	4.6
80°-90°	24.9	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°	900.2	30.2
0°-40°	1462.9	49.2
0°-60°	2498.1	83.9
0°-90°	2976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2976.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1156	1151	1154	1153	1151	110
15°	1120	1115	1117	1115	1115	316
25°	1044	1037	1035	1026	1024	480
35°	916	910	902	890	884	573
45°	748	741	730	714	707	576
55°	553	549	532	514	506	494
65°	341	337	317	303	296	337
75°	135	132	130	125	117	148
85°	20	21	17	16	16	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1156.4	1156.4	1156.4	1156.4	1156.4
2.5°	1159.3	1154.1	1156.4	1156.4	1153.5
5°	1155.8	1151.2	1154.1	1153.0	1151.2
7.5°	1150.7	1146.1	1147.8	1147.2	1146.7
10°	1142.6	1138.1	1140.4	1139.2	1138.1
12.5°	1132.3	1127.8	1130.0	1128.3	1127.2
15°	1120.3	1115.2	1116.9	1115.2	1114.6
17.5°	1105.4	1100.3	1100.8	1098.5	1096.3
20°	1087.1	1082.5	1083.1	1077.4	1075.1
22.5°	1065.9	1061.3	1060.7	1053.3	1050.4
25°	1044.1	1037.3	1035.0	1025.8	1023.5
27.5°	1016.6	1010.3	1006.9	997.2	992.6
30°	987.4	980.6	974.8	963.9	959.4
32.5°	954.2	947.3	939.9	928.4	923.3
35°	915.8	909.5	902.1	890.1	883.8
37.5°	877.5	870.6	863.1	848.8	843.7
40°	835.1	828.8	820.8	805.3	799.6
42.5°	792.7	785.2	775.5	760.6	754.3
45°	748.0	741.1	729.7	714.2	706.8
47.5°	701.1	695.3	683.3	666.7	658.7
50°	651.8	647.2	634.6	616.3	608.8
52.5°	604.8	598.5	584.2	565.9	557.9
55°	553.3	549.3	531.5	514.3	506.3
57.5°	501.7	496.6	478.8	461.6	454.2
60°	449.0	444.5	425.6	408.4	399.2
62.5°	395.8	390.6	370.6	355.1	346.5
65°	340.8	336.8	316.7	303.0	296.1
67.5°	285.8	282.9	261.7	250.3	245.1
70°	232.0	228.0	211.3	206.8	228.5
72.5°	182.1	177.0	162.7	155.2	149.5
75°	135.2	132.3	130.0	125.4	116.8
77.5°	95.1	94.5	86.5	80.2	86.5
80°	65.3	67.6	58.4	53.3	55.6
82.5°	40.1	44.7	34.9	30.9	29.8
85°	20.0	20.6	17.2	16.0	15.5
87.5°	7.4	8.6	7.4	6.3	6.3
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)