

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: P505931

Luminaire Tested: **14PD-40-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505931
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-L930
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

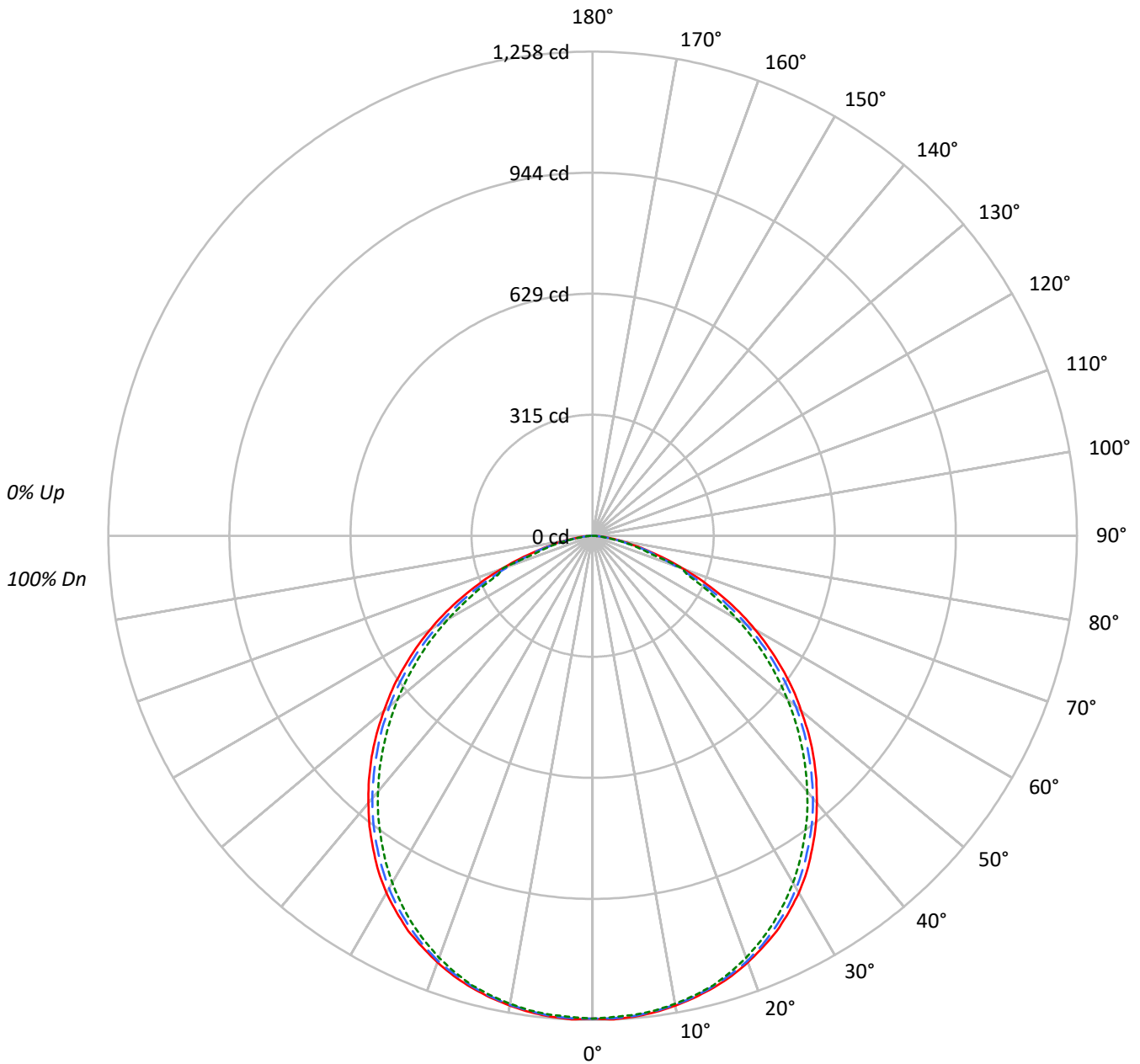
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3229.0 lumens
Efficiency: N/A
Efficacy: 85.4 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°	3376	3376	3376
5°	3388	3383	3374
10°	3388	3381	3374
15°	3387	3376	3369
20°	3378	3365	3340
25°	3364	3334	3297
30°	3329	3287	3234
35°	3264	3215	3150
40°	3183	3128	3047
45°	3089	3013	2919
50°	2961	2883	2766
55°	2816	2706	2578
60°	2622	2485	2331
65°	2355	2188	2046
70°	1980	1804	1951
75°	1525	1467	1318
80°	1097	982	934
85°	673	574	519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	3.7
10°-20°	341.7	10.6
20°-30°	516.1	16.0
30°-40°	610.6	18.9
40°-50°	608.8	18.9
50°-60°	514.3	15.9
60°-70°	342.7	10.6
70°-80°	148.9	4.6
80°-90°	27.0	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°	976.7	30.2
0°-40°	1587.3	49.2
0°-60°	2710.4	83.9
0°-90°	3229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1254	1249	1252	1251	1249	119
15°	1216	1210	1212	1210	1209	343
25°	1133	1125	1123	1113	1110	521
35°	994	987	979	966	959	621
45°	812	804	792	775	767	625
55°	600	596	577	558	549	536
65°	370	365	344	329	321	365
75°	147	144	141	136	127	160
85°	22	22	19	17	17	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.7	1254.7	1254.7	1254.7	1254.7
2.5°	1257.8	1252.2	1254.7	1254.7	1251.6
5°	1254.1	1249.1	1252.2	1251.0	1249.1
7.5°	1248.5	1243.5	1245.4	1244.8	1244.1
10°	1239.8	1234.8	1237.3	1236.1	1234.8
12.5°	1228.6	1223.6	1226.1	1224.3	1223.0
15°	1215.6	1210.0	1211.8	1210.0	1209.3
17.5°	1199.4	1193.8	1194.4	1191.9	1189.4
20°	1179.5	1174.5	1175.2	1168.9	1166.5
22.5°	1156.5	1151.5	1150.9	1142.8	1139.7
25°	1132.9	1125.4	1123.0	1113.0	1110.5
27.5°	1103.1	1096.2	1092.5	1081.9	1077.0
30°	1071.4	1063.9	1057.7	1045.9	1040.9
32.5°	1035.3	1027.9	1019.8	1007.4	1001.8
35°	993.7	986.9	978.8	965.7	958.9
37.5°	952.1	944.6	936.5	921.0	915.4
40°	906.1	899.2	890.5	873.8	867.5
42.5°	860.1	852.0	841.4	825.3	818.4
45°	811.6	804.2	791.7	774.9	766.9
47.5°	760.7	754.4	741.4	723.4	714.7
50°	707.2	702.2	688.6	668.7	660.6
52.5°	656.2	649.4	633.9	614.0	605.3
55°	600.3	596.0	576.7	558.1	549.4
57.5°	544.4	538.8	519.5	500.9	492.8
60°	487.2	482.2	461.7	443.1	433.1
62.5°	429.4	423.8	402.1	385.3	376.0
65°	369.8	365.4	343.7	328.7	321.3
67.5°	310.1	307.0	284.0	271.6	266.0
70°	251.7	247.3	229.3	224.3	248.0
72.5°	197.6	192.0	176.5	168.4	162.2
75°	146.7	143.6	141.1	136.1	126.8
77.5°	103.2	102.5	93.8	87.0	93.8
80°	70.8	73.3	63.4	57.8	60.3
82.5°	43.5	48.5	37.9	33.6	32.3
85°	21.8	22.4	18.6	17.4	16.8
87.5°	8.1	9.3	8.1	6.8	6.8
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)