

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: P506311

Luminaire Tested: **22PD-45-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506311
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-45-PR1-L940
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

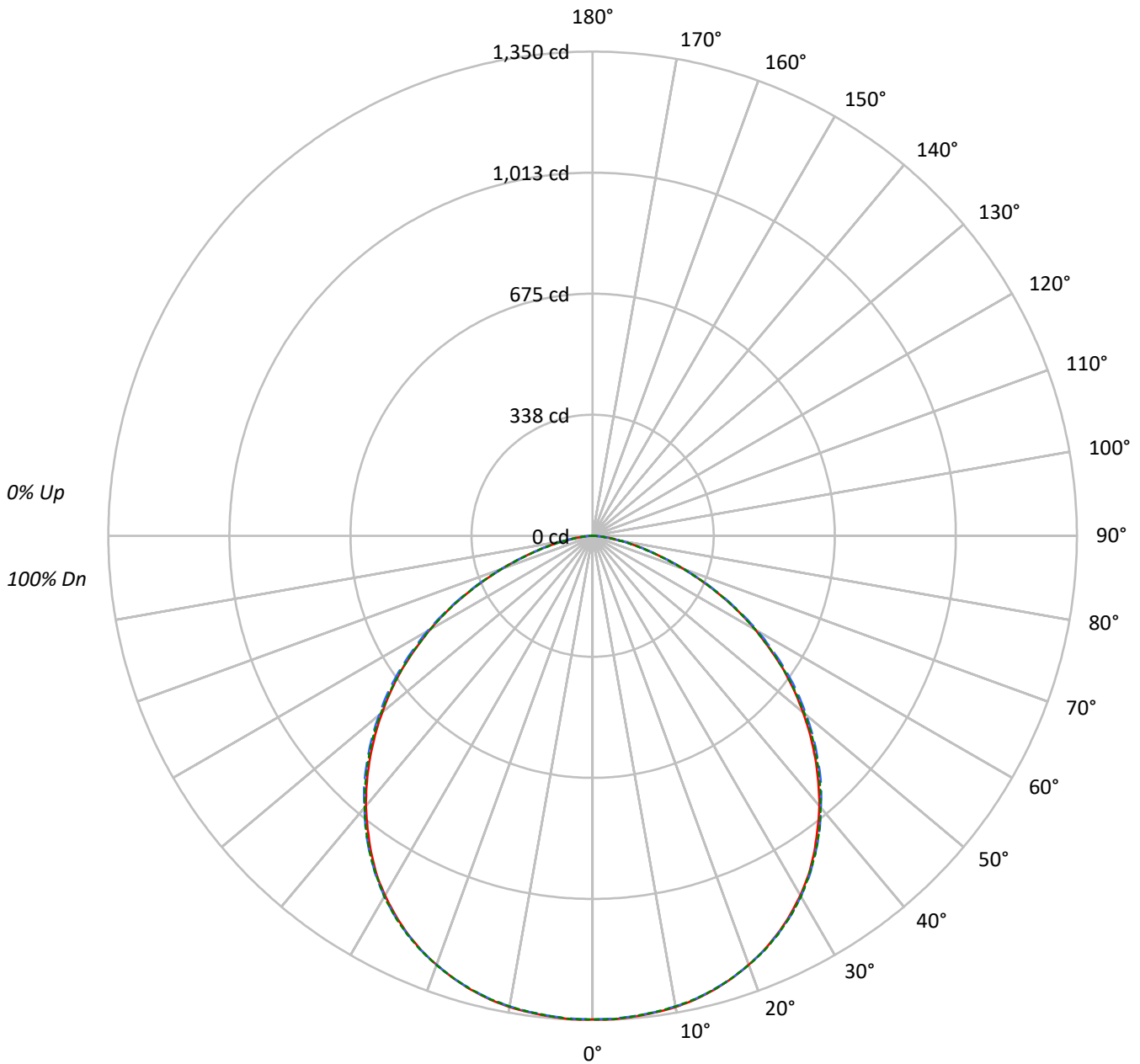
Lumens per Lamp: N/A
Luminaire Lumens: 3604.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	3629	3629	3629
5°	3635	3632	3632
10°	3646	3641	3641
15°	3651	3647	3648
20°	3645	3644	3647
25°	3630	3634	3637
30°	3597	3608	3610
35°	3537	3556	3554
40°	3454	3478	3473
45°	3341	3384	3366
50°	3205	3254	3228
55°	3042	3091	3047
60°	2821	2859	2811
65°	2516	2543	2514
70°	2116	2116	2102
75°	1658	1658	1640
80°	1215	1201	1195
85°	794	794	806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	3.6
10°-20°	369.6	10.3
20°-30°	563.8	15.6
30°-40°	675.7	18.7
40°-50°	682.4	18.9
50°-60°	583.8	16.2
60°-70°	393.7	10.9
70°-80°	173.7	4.8
80°-90°	33.3	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°	1061.3	29.4
0°-40°	1737.0	48.2
0°-60°	3003.3	83.3
0°-90°	3604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1349	1349	1349	1349	1349	
5°	1346	1344	1345	1344	1345	128
15°	1310	1310	1309	1309	1310	370
25°	1223	1224	1224	1224	1225	563
35°	1077	1083	1082	1082	1082	673
45°	878	885	889	888	885	677
55°	648	654	659	658	649	578
65°	395	398	399	398	395	391
75°	160	160	160	160	158	174
85°	26	26	26	26	26	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1348.7	1348.7	1348.7	1348.7	1348.7
2.5°	1349.6	1347.8	1347.4	1346.9	1348.7
5°	1345.6	1343.8	1344.7	1343.8	1344.7
7.5°	1340.6	1338.8	1339.3	1338.4	1339.3
10°	1334.3	1332.5	1332.5	1331.6	1332.5
12.5°	1324.4	1323.1	1322.6	1321.7	1323.1
15°	1310.4	1310.0	1309.1	1308.6	1309.5
17.5°	1293.3	1292.4	1293.3	1292.0	1292.9
20°	1273.0	1273.5	1272.6	1273.0	1273.5
22.5°	1250.1	1250.1	1250.5	1250.5	1251.4
25°	1222.6	1223.9	1223.9	1223.9	1224.8
27.5°	1191.9	1193.7	1195.1	1194.2	1195.1
30°	1157.7	1160.8	1161.3	1160.8	1161.7
32.5°	1120.7	1123.0	1124.3	1123.4	1122.5
35°	1076.6	1082.9	1082.4	1081.5	1082.0
37.5°	1030.1	1036.5	1038.7	1036.9	1037.4
40°	983.3	988.7	990.0	990.5	988.7
42.5°	931.5	937.8	942.7	940.5	937.8
45°	877.8	884.6	889.1	887.7	884.6
47.5°	822.4	828.7	835.0	832.8	829.6
50°	765.6	771.9	777.3	776.4	771.0
52.5°	707.5	714.7	719.7	717.9	710.6
55°	648.5	654.3	658.8	657.9	649.4
57.5°	584.5	592.1	594.4	593.0	586.7
60°	524.1	529.0	531.3	529.5	522.3
62.5°	459.6	463.7	465.5	465.1	460.1
65°	395.2	398.4	399.3	398.4	394.8
67.5°	329.0	333.5	333.9	333.9	330.3
70°	269.0	270.4	269.0	272.6	267.2
72.5°	210.9	211.8	210.9	210.9	208.6
75°	159.5	160.0	159.5	160.0	157.7
77.5°	115.4	116.3	114.5	115.8	113.6
80°	78.4	78.4	77.5	78.0	77.1
82.5°	48.7	49.6	48.2	48.2	47.8
85°	25.7	25.7	25.7	26.1	26.1
87.5°	9.0	9.0	9.5	9.5	9.0
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)