

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: P505969

Luminaire Tested: **14PD-45-PW1-L940**

Issue Date: 3/26/2021



**Test Information**

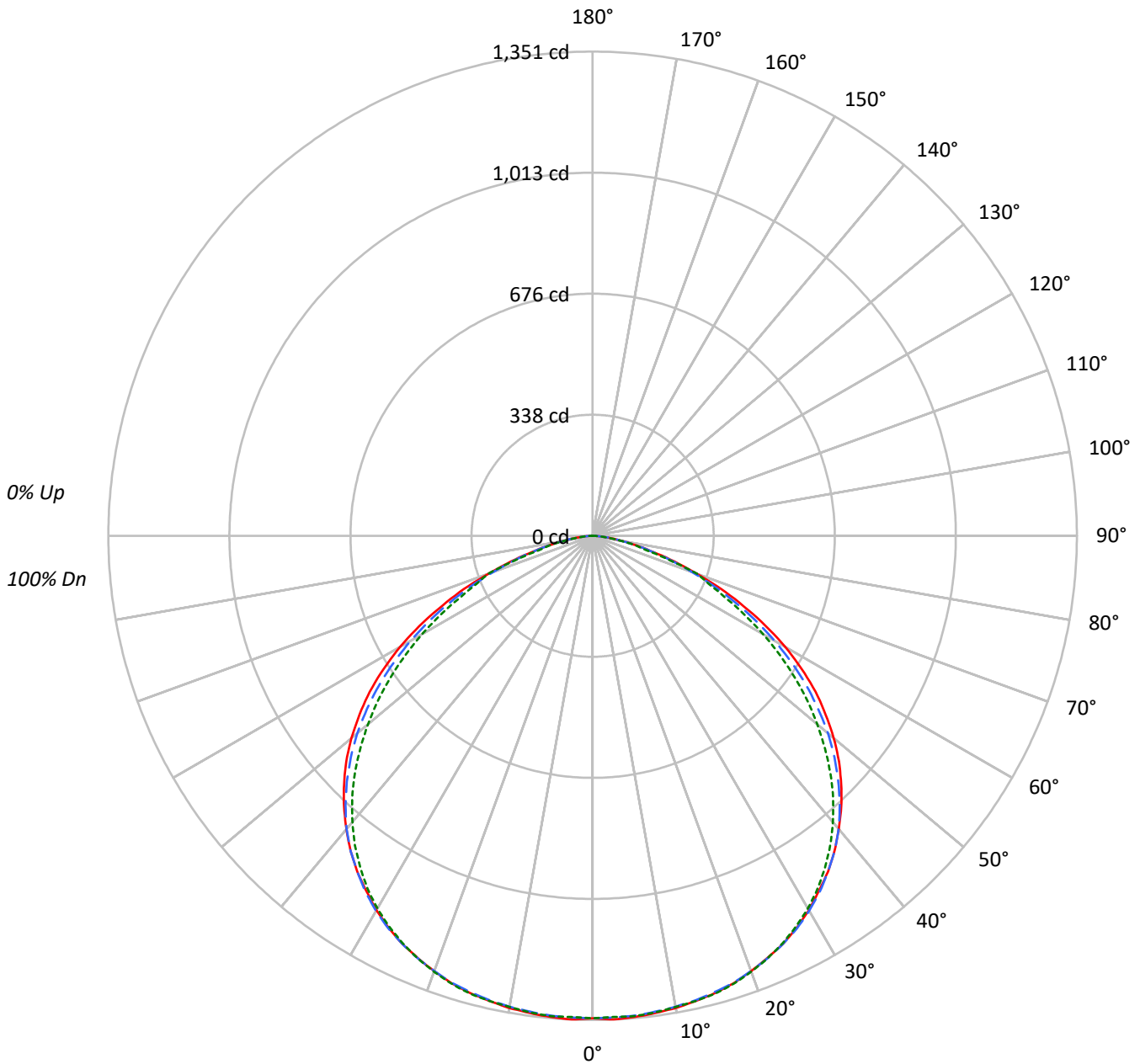
Test Method: LM-79-08  
Report Number: P505969  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-45-PW1-L940  
Description: 4500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3834.0 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 42.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	97	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	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3623	3623	3623
5°	3640	3630	3634
10°	3656	3645	3647
15°	3680	3672	3685
20°	3702	3700	3707
25°	3730	3730	3724
30°	3748	3755	3732
35°	3760	3760	3712
40°	3753	3751	3662
45°	3733	3690	3571
50°	3677	3587	3425
55°	3563	3413	3227
60°	3338	3154	2957
65°	2956	2786	2602
70°	2413	2305	2431
75°	1820	1788	1606
80°	1309	1226	1226
85°	821	775	682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.0	3.3
10°-20°	372.6	9.7
20°-30°	578.5	15.1
30°-40°	712.5	18.6
40°-50°	741.8	19.3
50°-60°	645.1	16.8
60°-70°	433.4	11.3
70°-80°	187.6	4.9
80°-90°	34.4	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°	1079.1	28.1
0°-40°	1791.7	46.7
0°-60°	3178.5	82.9
0°-90°	3834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3834.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1346	1346	1346	1346	1346	
5°	1348	1339	1344	1347	1345	128
15°	1321	1312	1318	1323	1323	373
25°	1256	1250	1256	1256	1254	579
35°	1144	1142	1144	1135	1130	715
45°	981	978	970	947	938	756
55°	760	746	728	699	688	675
65°	464	456	438	417	409	460
75°	175	177	172	176	154	193
85°	27	27	25	22	22	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1346.2	1346.2	1346.2	1346.2	1346.2
2.5°	1350.8	1342.4	1345.4	1350.0	1343.9
5°	1347.7	1339.4	1343.9	1347.0	1345.4
7.5°	1343.2	1337.1	1339.4	1342.4	1341.6
10°	1337.8	1331.7	1334.0	1337.1	1334.8
12.5°	1329.5	1322.6	1327.2	1330.2	1329.5
15°	1321.1	1312.0	1318.0	1322.6	1322.6
17.5°	1308.9	1301.3	1307.4	1311.2	1310.4
20°	1292.9	1287.6	1292.2	1295.2	1294.5
22.5°	1274.7	1270.9	1276.2	1276.2	1276.2
25°	1256.4	1250.3	1256.4	1256.4	1254.1
27.5°	1232.8	1227.5	1235.1	1232.8	1229.0
30°	1206.2	1203.1	1208.5	1204.7	1200.9
32.5°	1175.0	1173.5	1178.8	1171.2	1168.1
35°	1144.5	1141.5	1144.5	1134.6	1130.1
37.5°	1108.8	1105.7	1108.8	1095.8	1089.0
40°	1068.4	1066.2	1067.7	1050.9	1042.6
42.5°	1026.6	1024.3	1020.5	1000.0	993.1
45°	980.9	977.9	969.5	947.4	938.3
47.5°	932.2	926.9	914.7	891.1	879.0
50°	878.2	870.6	856.9	831.0	818.1
52.5°	819.6	810.5	793.0	767.1	754.9
55°	759.5	745.8	727.5	698.6	687.9
57.5°	691.0	676.5	657.5	630.9	618.7
60°	620.2	605.8	586.0	561.6	549.4
62.5°	544.9	531.9	512.2	489.3	478.7
65°	464.2	455.8	437.6	417.0	408.7
67.5°	388.1	379.7	364.5	347.0	350.1
70°	306.7	305.9	293.0	280.8	309.0
72.5°	239.0	237.4	230.6	224.5	223.0
75°	175.0	176.6	172.0	175.8	154.5
77.5°	123.3	124.8	124.0	113.4	118.7
80°	84.5	84.5	79.1	75.3	79.1
82.5°	51.0	60.9	54.8	44.9	43.4
85°	26.6	27.4	25.1	22.1	22.1
87.5°	9.9	11.4	9.9	9.1	8.4
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)