

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: P505961

Luminaire Tested: **14PD-45-PR1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505961
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-45-PR1-L950
Description: 4500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

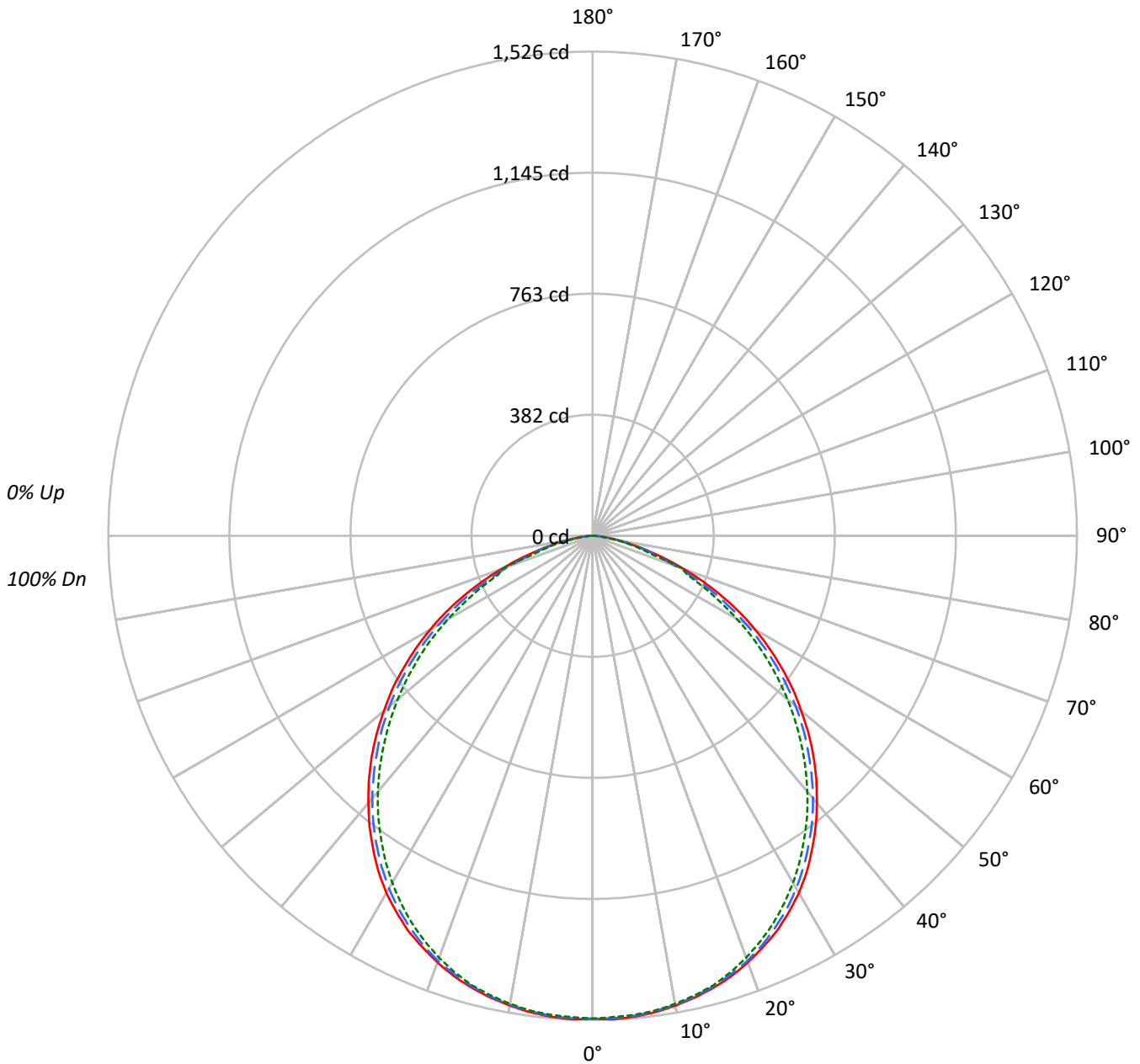
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3917.0 lumens
Efficiency: N/A
Efficacy: 91.3 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): 42.9
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

TEST NUMBER: P505961
CATALOG NUMBER: 14PD-45-PR1-L950

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°	4096	4096	4096
5°	4109	4103	4093
10°	4109	4101	4093
15°	4108	4095	4087
20°	4097	4082	4052
25°	4081	4045	4000
30°	4039	3987	3924
35°	3960	3900	3821
40°	3861	3795	3697
45°	3747	3655	3540
50°	3592	3497	3355
55°	3416	3282	3126
60°	3181	3014	2828
65°	2856	2655	2481
70°	2402	2189	2367
75°	1850	1779	1599
80°	1331	1192	1133
85°	815	698	630



TEST NUMBER: P505961

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	3.7
10°-20°	414.5	10.6
20°-30°	626.1	16.0
30°-40°	740.7	18.9
40°-50°	738.5	18.9
50°-60°	623.9	15.9
60°-70°	415.7	10.6
70°-80°	180.6	4.6
80°-90°	32.8	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°	1184.8	30.2
0°-40°	1925.5	49.2
0°-60°	3288.0	83.9
0°-90°	3917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1522	1522	1522	1522	1522	
5°	1521	1515	1519	1518	1515	145
15°	1474	1468	1470	1468	1467	416
25°	1374	1365	1362	1350	1347	632
35°	1205	1197	1187	1172	1163	754
45°	984	976	960	940	930	758
55°	728	723	700	677	666	650
65°	448	443	417	399	390	443
75°	178	174	171	165	154	194
85°	26	27	23	21	20	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1522.0	1522.0	1522.0	1522.0	1522.0
2.5°	1525.8	1519.0	1522.0	1522.0	1518.3
5°	1521.3	1515.3	1519.0	1517.5	1515.3
7.5°	1514.5	1508.5	1510.7	1510.0	1509.2
10°	1503.9	1497.9	1500.9	1499.4	1497.9
12.5°	1490.4	1484.3	1487.4	1485.1	1483.6
15°	1474.5	1467.8	1470.0	1467.8	1467.0
17.5°	1454.9	1448.2	1448.9	1445.9	1442.9
20°	1430.8	1424.8	1425.5	1418.0	1415.0
22.5°	1402.9	1396.9	1396.1	1386.3	1382.6
25°	1374.3	1365.2	1362.2	1350.2	1347.1
27.5°	1338.1	1329.8	1325.3	1312.5	1306.4
30°	1299.7	1290.6	1283.1	1268.7	1262.7
32.5°	1255.9	1246.9	1237.1	1222.0	1215.2
35°	1205.4	1197.1	1187.3	1171.5	1163.2
37.5°	1154.9	1145.9	1136.1	1117.2	1110.4
40°	1099.1	1090.8	1080.3	1059.9	1052.4
42.5°	1043.3	1033.5	1020.7	1001.1	992.8
45°	984.5	975.5	960.4	940.1	930.3
47.5°	922.7	915.2	899.4	877.5	866.9
50°	857.9	851.9	835.3	811.2	801.4
52.5°	796.1	787.8	768.9	744.8	734.3
55°	728.2	723.0	699.6	677.0	666.4
57.5°	660.4	653.6	630.2	607.6	597.8
60°	591.0	585.0	560.1	537.5	525.4
62.5°	520.9	514.1	487.7	467.4	456.1
65°	448.5	443.3	416.9	398.8	389.7
67.5°	376.2	372.4	344.5	329.4	322.7
70°	305.3	300.0	278.2	272.1	300.8
72.5°	239.7	232.9	214.1	204.3	196.8
75°	177.9	174.1	171.1	165.1	153.8
77.5°	125.1	124.4	113.8	105.5	113.8
80°	85.9	89.0	76.9	70.1	73.1
82.5°	52.8	58.8	46.0	40.7	39.2
85°	26.4	27.1	22.6	21.1	20.4
87.5°	9.8	11.3	9.8	8.3	8.3
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)