

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: P505959

Luminaire Tested: **14PD-45-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505959
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-L935
Description: 4500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

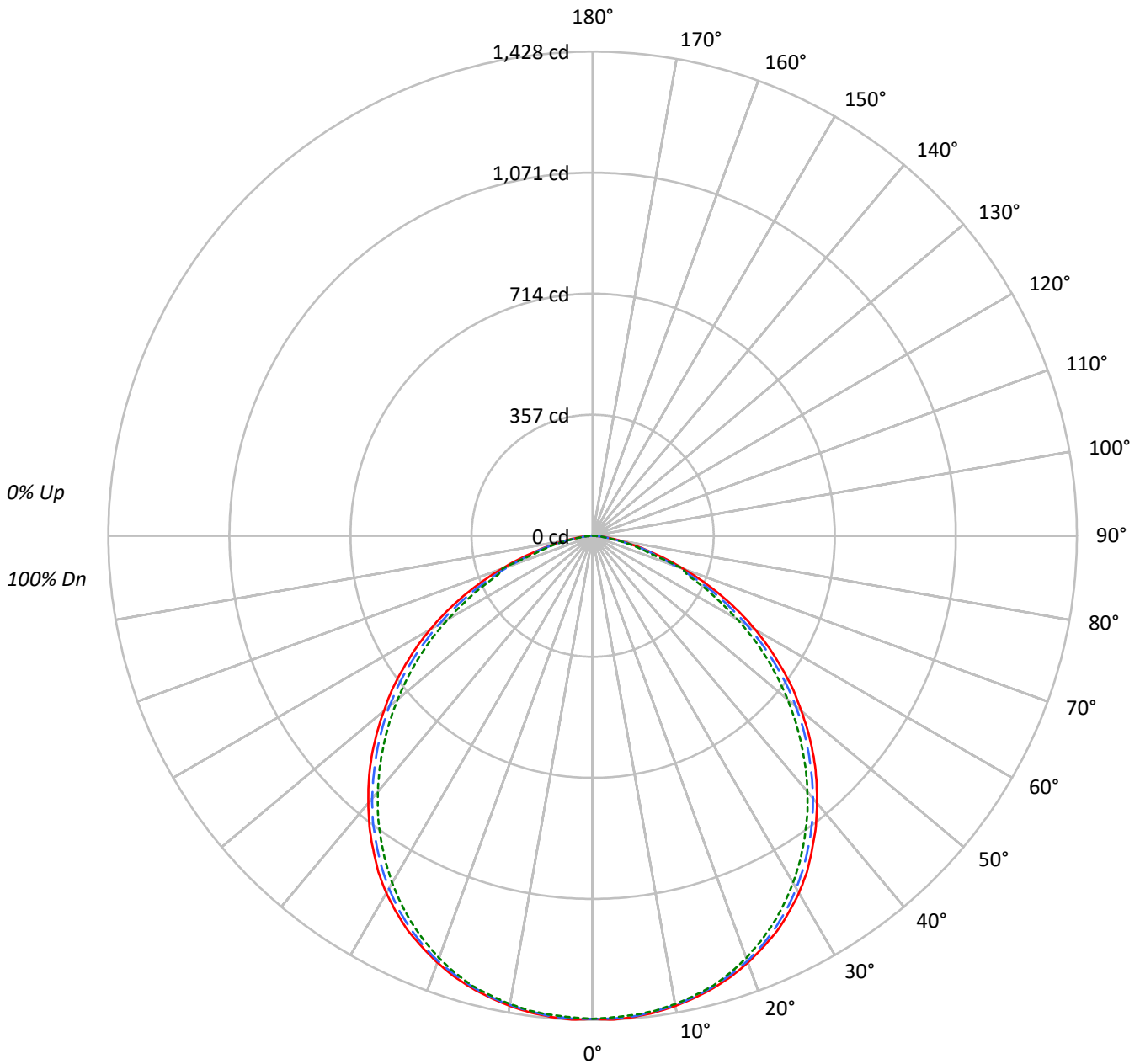
Lumens per Lamp: N/A
Luminaire Lumens: 3667.0 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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°	3834	3834	3834
5°	3847	3841	3832
10°	3847	3839	3832
15°	3846	3834	3826
20°	3836	3822	3794
25°	3820	3787	3745
30°	3781	3732	3673
35°	3707	3651	3577
40°	3615	3553	3461
45°	3508	3422	3314
50°	3362	3274	3141
55°	3198	3073	2927
60°	2978	2822	2647
65°	2674	2485	2323
70°	2249	2049	2216
75°	1732	1666	1497
80°	1247	1116	1062
85°	763	655	590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	3.7
10°-20°	388.0	10.6
20°-30°	586.1	16.0
30°-40°	693.4	18.9
40°-50°	691.4	18.9
50°-60°	584.1	15.9
60°-70°	389.2	10.6
70°-80°	169.1	4.6
80°-90°	30.7	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°	1109.2	30.2
0°-40°	1802.6	49.2
0°-60°	3078.1	83.9
0°-90°	3667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3667.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1425	1425	1425	1425	1425	
5°	1424	1418	1422	1421	1418	135
15°	1380	1374	1376	1374	1373	390
25°	1287	1278	1275	1264	1261	592
35°	1128	1121	1112	1097	1089	706
45°	922	913	899	880	871	710
55°	682	677	655	634	624	609
65°	420	415	390	373	365	415
75°	167	163	160	155	144	182
85°	25	25	21	20	19	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1424.9	1424.9	1424.9	1424.9	1424.9
2.5°	1428.4	1422.1	1424.9	1424.9	1421.4
5°	1424.2	1418.5	1422.1	1420.7	1418.5
7.5°	1417.8	1412.2	1414.3	1413.6	1412.9
10°	1408.0	1402.3	1405.1	1403.7	1402.3
12.5°	1395.3	1389.6	1392.4	1390.3	1388.9
15°	1380.4	1374.1	1376.2	1374.1	1373.4
17.5°	1362.1	1355.7	1356.4	1353.6	1350.8
20°	1339.5	1333.9	1334.6	1327.5	1324.7
22.5°	1313.4	1307.7	1307.0	1297.9	1294.3
25°	1286.6	1278.1	1275.3	1264.0	1261.2
27.5°	1252.7	1244.9	1240.7	1228.7	1223.1
30°	1216.7	1208.2	1201.2	1187.8	1182.1
32.5°	1175.8	1167.3	1158.1	1144.0	1137.7
35°	1128.5	1120.7	1111.5	1096.7	1089.0
37.5°	1081.2	1072.7	1063.6	1045.9	1039.6
40°	1029.0	1021.2	1011.3	992.3	985.2
42.5°	976.7	967.6	955.6	937.2	929.5
45°	921.7	913.2	899.1	880.1	870.9
47.5°	863.8	856.8	842.0	821.5	811.6
50°	803.1	797.5	782.0	759.4	750.2
52.5°	745.3	737.5	719.9	697.3	687.4
55°	681.7	676.8	654.9	633.8	623.9
57.5°	618.2	611.9	590.0	568.8	559.7
60°	553.3	547.7	524.4	503.2	491.9
62.5°	487.7	481.3	456.6	437.6	427.0
65°	419.9	415.0	390.3	373.3	364.9
67.5°	352.2	348.6	322.5	308.4	302.1
70°	285.8	280.9	260.4	254.8	281.6
72.5°	224.4	218.1	200.4	191.3	184.2
75°	166.6	163.0	160.2	154.6	144.0
77.5°	117.2	116.4	106.6	98.8	106.6
80°	80.5	83.3	72.0	65.6	68.5
82.5°	49.4	55.0	43.1	38.1	36.7
85°	24.7	25.4	21.2	19.8	19.1
87.5°	9.2	10.6	9.2	7.8	7.8
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)