

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: P505986

Luminaire Tested: **14PD-50-PR1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505986
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-50-PR1-L935
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

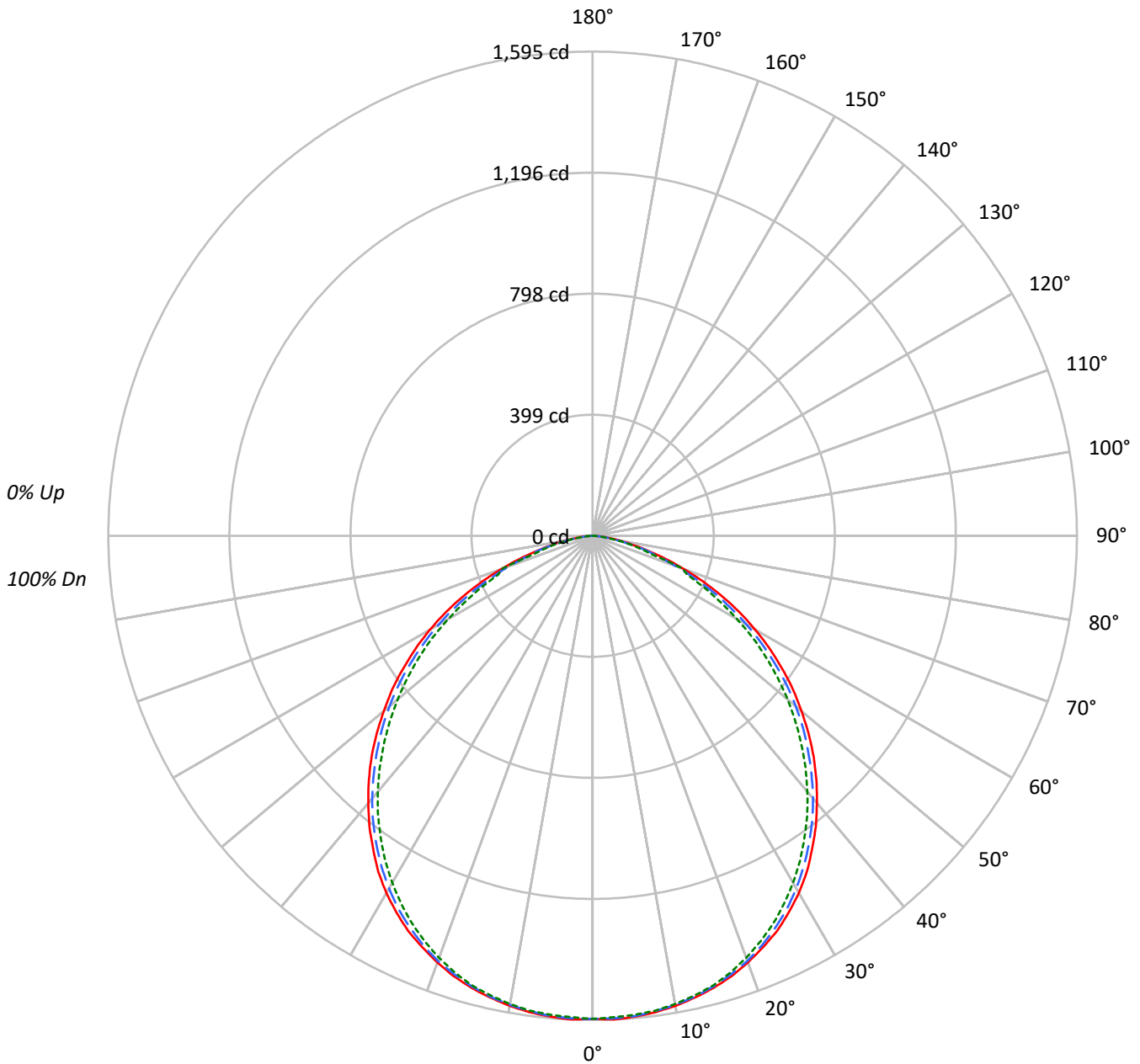
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4095.0 lumens
Efficiency: N/A
Efficacy: 84.3 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): 48.6
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°	4282	4282	4282
5°	4296	4290	4279
10°	4296	4288	4279
15°	4295	4281	4273
20°	4283	4268	4236
25°	4266	4228	4182
30°	4222	4168	4102
35°	4140	4078	3995
40°	4037	3967	3865
45°	3917	3821	3701
50°	3755	3656	3507
55°	3572	3431	3269
60°	3326	3152	2956
65°	2986	2775	2595
70°	2511	2288	2474
75°	1934	1860	1672
80°	1392	1246	1184
85°	852	729	658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	3.7
10°-20°	433.3	10.6
20°-30°	654.5	16.0
30°-40°	774.3	18.9
40°-50°	772.1	18.9
50°-60°	652.3	15.9
60°-70°	434.6	10.6
70°-80°	188.8	4.6
80°-90°	34.3	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°	1238.7	30.2
0°-40°	2013.0	49.2
0°-60°	3437.4	83.9
0°-90°	4095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1591	1591	1591	1591	1591	
5°	1590	1584	1588	1586	1584	151
15°	1542	1534	1537	1534	1534	435
25°	1437	1427	1424	1412	1408	661
35°	1260	1252	1241	1225	1216	788
45°	1029	1020	1004	983	972	793
55°	761	756	731	708	697	680
65°	469	463	436	417	408	463
75°	186	182	179	173	161	203
85°	28	28	24	22	21	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1591.2	1591.2	1591.2	1591.2	1591.2
2.5°	1595.1	1588.1	1591.2	1591.2	1587.3
5°	1590.4	1584.1	1588.1	1586.5	1584.1
7.5°	1583.3	1577.0	1579.4	1578.6	1577.8
10°	1572.3	1566.0	1569.1	1567.6	1566.0
12.5°	1558.1	1551.8	1555.0	1552.6	1551.0
15°	1541.6	1534.5	1536.8	1534.5	1533.7
17.5°	1521.1	1514.0	1514.8	1511.6	1508.5
20°	1495.8	1489.5	1490.3	1482.4	1479.3
22.5°	1466.7	1460.4	1459.6	1449.3	1445.4
25°	1436.7	1427.3	1424.1	1411.5	1408.4
27.5°	1398.9	1390.2	1385.5	1372.1	1365.8
30°	1358.7	1349.3	1341.4	1326.4	1320.1
32.5°	1313.0	1303.5	1293.3	1277.5	1270.4
35°	1260.2	1251.5	1241.3	1224.7	1216.1
37.5°	1207.4	1197.9	1187.7	1168.0	1160.9
40°	1149.1	1140.4	1129.4	1108.1	1100.2
42.5°	1090.8	1080.5	1067.1	1046.6	1037.9
45°	1029.3	1019.8	1004.1	982.8	972.5
47.5°	964.7	956.8	940.2	917.4	906.3
50°	896.9	890.6	873.2	848.0	837.8
52.5°	832.3	823.6	803.9	778.7	767.6
55°	761.3	755.8	731.4	707.7	696.7
57.5°	690.4	683.3	658.9	635.2	625.0
60°	617.9	611.6	585.6	561.9	549.3
62.5°	544.6	537.5	509.9	488.6	476.8
65°	468.9	463.4	435.8	416.9	407.5
67.5°	393.3	389.3	360.2	344.4	337.3
70°	319.2	313.7	290.8	284.5	314.5
72.5°	250.6	243.5	223.8	213.6	205.7
75°	186.0	182.1	178.9	172.6	160.8
77.5°	130.8	130.0	119.0	110.3	119.0
80°	89.8	93.0	80.4	73.3	76.4
82.5°	55.2	61.5	48.1	42.6	41.0
85°	27.6	28.4	23.6	22.1	21.3
87.5°	10.2	11.8	10.2	8.7	8.7
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)