

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: P506715

Luminaire Tested: **24PD-55-PR1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PR1-L935
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

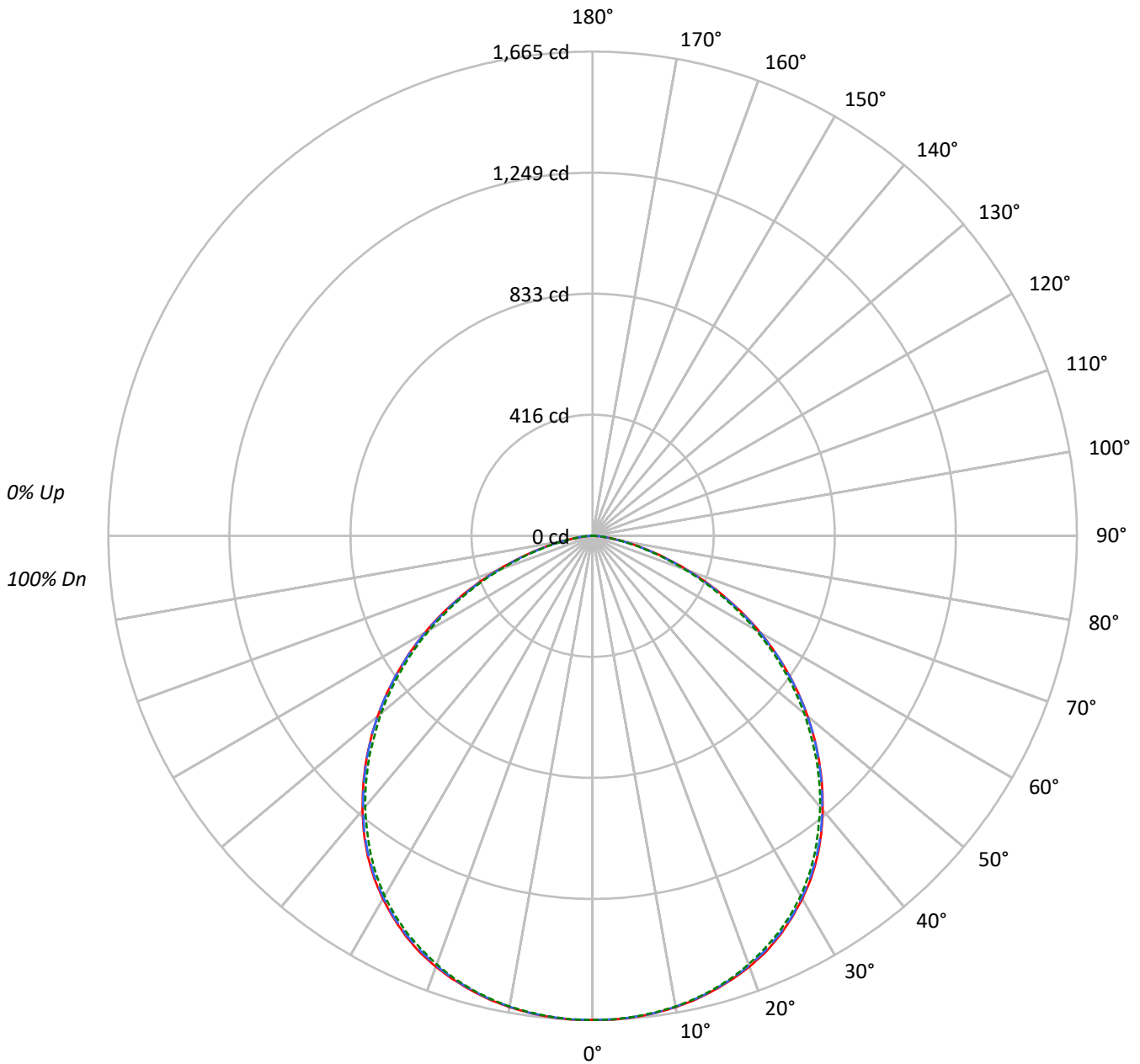
Lumens per Lamp: N/A
Luminaire Lumens: 4482.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
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: P506715

CATALOG NUMBER: 24PD-55-PR1-L935

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	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2240	2240	2240
5°	2244	2243	2242
10°	2249	2246	2246
15°	2253	2250	2248
20°	2258	2252	2245
25°	2255	2249	2239
30°	2240	2234	2222
35°	2213	2206	2188
40°	2161	2156	2137
45°	2098	2094	2071
50°	2020	2019	1988
55°	1920	1916	1880
60°	1790	1783	1742
65°	1613	1593	1557
70°	1377	1356	1323
75°	1089	1064	1039
80°	773	753	730
85°	465	451	438



TEST NUMBER: P506715

CATALOG NUMBER: 24PD-55-PR1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.0	3.5
10°-20°	456.2	10.2
20°-30°	697.4	15.6
30°-40°	837.5	18.7
40°-50°	846.4	18.9
50°-60°	727.2	16.2
60°-70°	496.1	11.1
70°-80°	223.0	5.0
80°-90°	40.1	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°	1311.6	29.3
0°-40°	2149.2	48.0
0°-60°	3722.8	83.1
0°-90°	4482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1665	1665	1665	1665	1665	
5°	1661	1661	1660	1660	1660	158
15°	1618	1617	1615	1614	1614	457
25°	1519	1519	1515	1510	1508	700
35°	1347	1347	1343	1335	1332	841
45°	1102	1105	1101	1093	1088	850
55°	819	822	817	810	802	731
65°	506	509	500	497	489	501
75°	209	211	205	203	200	227
85°	30	30	29	29	28	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1664.8	1664.8	1664.8	1664.8	1664.8
2.5°	1665.2	1664.8	1664.4	1663.5	1664.8
5°	1661.4	1660.9	1660.5	1659.7	1659.7
7.5°	1655.4	1654.5	1654.5	1653.2	1652.8
10°	1645.9	1645.5	1644.2	1644.2	1643.7
12.5°	1633.9	1633.0	1631.7	1631.3	1630.4
15°	1617.5	1617.1	1615.4	1614.1	1613.7
17.5°	1599.0	1597.7	1596.5	1593.4	1593.4
20°	1576.7	1575.8	1572.8	1569.8	1568.1
22.5°	1550.9	1549.2	1545.7	1542.7	1539.3
25°	1519.1	1518.6	1514.8	1509.6	1508.3
27.5°	1482.1	1482.9	1479.1	1473.9	1471.3
30°	1441.7	1443.4	1437.8	1431.3	1430.1
32.5°	1397.4	1397.8	1393.1	1386.2	1383.6
35°	1347.1	1347.1	1342.8	1334.6	1332.0
37.5°	1291.2	1290.7	1288.2	1278.7	1274.0
40°	1230.6	1232.7	1227.5	1218.9	1216.8
42.5°	1167.8	1170.4	1165.6	1158.3	1153.6
45°	1102.4	1105.4	1100.7	1093.0	1088.2
47.5°	1034.9	1037.1	1033.6	1023.7	1017.3
50°	964.8	969.1	964.4	954.1	949.8
52.5°	892.6	897.3	891.7	884.0	875.8
55°	818.6	821.7	816.9	809.6	801.5
57.5°	742.5	748.6	740.8	732.2	725.3
60°	665.2	670.3	662.6	654.8	647.5
62.5°	586.5	589.9	581.3	576.6	568.0
65°	506.5	509.1	500.5	497.0	488.9
67.5°	427.4	429.5	421.4	416.6	411.9
70°	350.0	351.7	344.8	340.5	336.2
72.5°	276.9	277.3	270.9	269.6	264.4
75°	209.4	211.1	204.7	203.4	199.9
77.5°	150.5	150.9	146.6	145.8	142.7
80°	99.8	100.2	97.2	96.7	94.2
82.5°	60.2	60.6	58.0	58.0	56.3
85°	30.1	30.5	29.2	29.2	28.4
87.5°	10.3	10.7	10.3	10.3	9.9
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)