

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: P506714

Luminaire Tested: **24PD-55-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506714
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-L930
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

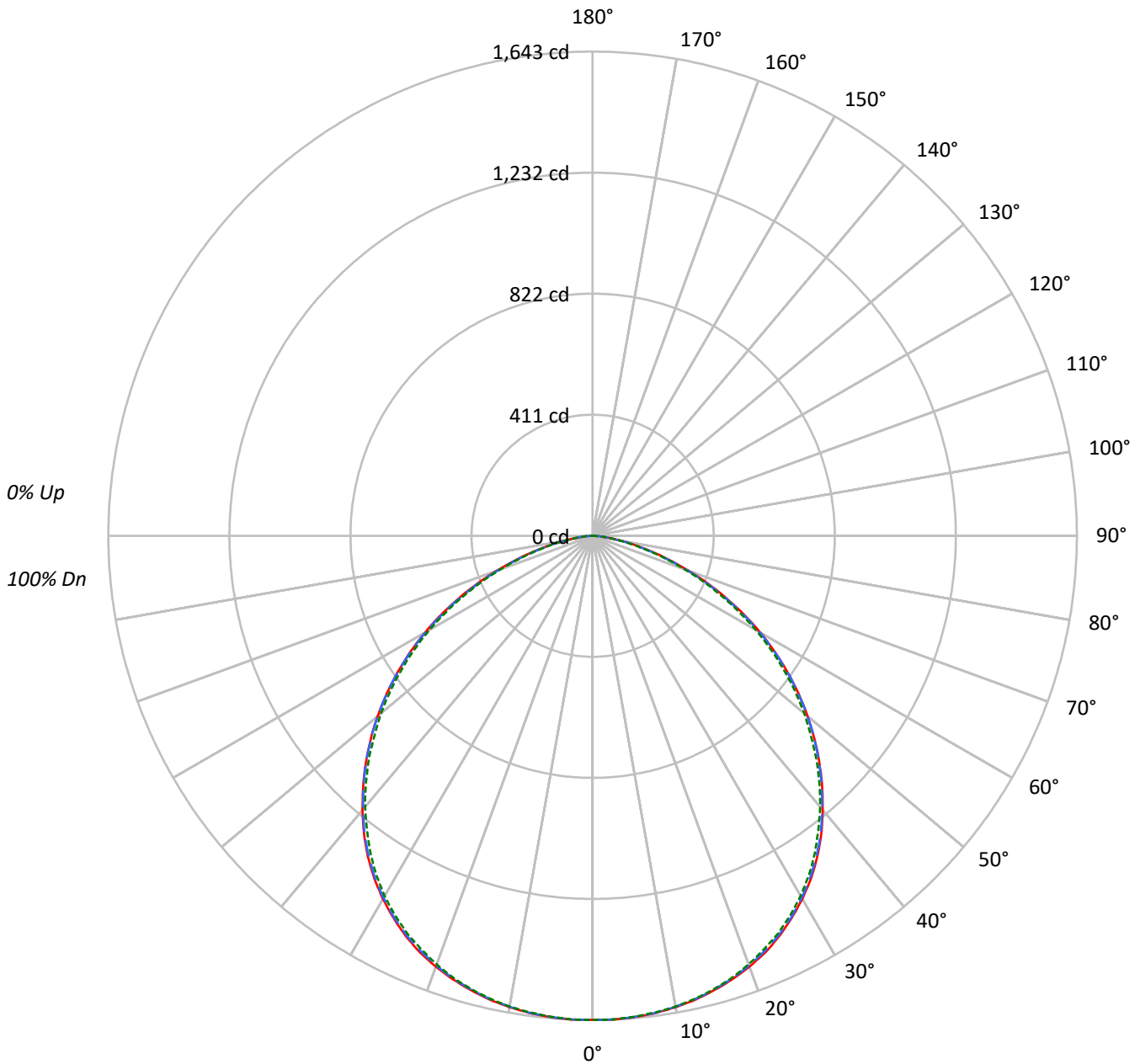
Lumens per Lamp: N/A
Luminaire Lumens: 4423.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2211	2211	2211
5°	2214	2213	2212
10°	2219	2217	2216
15°	2223	2221	2218
20°	2228	2222	2216
25°	2226	2219	2210
30°	2210	2204	2192
35°	2183	2177	2159
40°	2133	2128	2109
45°	2070	2067	2043
50°	1993	1992	1962
55°	1895	1891	1855
60°	1766	1760	1720
65°	1591	1572	1536
70°	1359	1339	1305
75°	1074	1050	1026
80°	762	743	720
85°	459	446	432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	3.5
10°-20°	450.2	10.2
20°-30°	688.2	15.6
30°-40°	826.5	18.7
40°-50°	835.2	18.9
50°-60°	717.7	16.2
60°-70°	489.5	11.1
70°-80°	220.1	5.0
80°-90°	39.6	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°	1294.4	29.3
0°-40°	2120.9	48.0
0°-60°	3673.8	83.1
0°-90°	4423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1643	1643	1643	1643	1643	
5°	1640	1639	1639	1638	1638	156
15°	1596	1596	1594	1593	1592	451
25°	1499	1499	1495	1490	1488	690
35°	1329	1329	1325	1317	1314	830
45°	1088	1091	1086	1079	1074	838
55°	808	811	806	799	791	721
65°	500	502	494	490	482	495
75°	207	208	202	201	197	224
85°	30	30	29	29	28	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1642.9	1642.9	1642.9	1642.9	1642.9
2.5°	1643.3	1642.9	1642.5	1641.6	1642.9
5°	1639.5	1639.1	1638.7	1637.8	1637.8
7.5°	1633.6	1632.7	1632.7	1631.4	1631.0
10°	1624.2	1623.8	1622.5	1622.5	1622.1
12.5°	1612.4	1611.5	1610.2	1609.8	1609.0
15°	1596.2	1595.8	1594.1	1592.8	1592.4
17.5°	1578.0	1576.7	1575.4	1572.5	1572.5
20°	1555.9	1555.1	1552.1	1549.1	1547.4
22.5°	1530.5	1528.8	1525.4	1522.4	1519.0
25°	1499.1	1498.6	1494.8	1489.7	1488.5
27.5°	1462.6	1463.4	1459.6	1454.5	1452.0
30°	1422.7	1424.4	1418.9	1412.5	1411.2
32.5°	1379.0	1379.4	1374.7	1368.0	1365.4
35°	1329.3	1329.3	1325.1	1317.0	1314.5
37.5°	1274.2	1273.8	1271.2	1261.9	1257.2
40°	1214.4	1216.5	1211.4	1202.9	1200.8
42.5°	1152.4	1155.0	1150.3	1143.1	1138.4
45°	1087.9	1090.9	1086.2	1078.6	1073.9
47.5°	1021.3	1023.4	1020.0	1010.3	1003.9
50°	952.1	956.4	951.7	941.5	937.3
52.5°	880.9	885.5	880.0	872.4	864.3
55°	807.9	810.8	806.2	799.0	790.9
57.5°	732.8	738.7	731.1	722.6	715.8
60°	656.4	661.5	653.9	646.2	639.0
62.5°	578.7	582.1	573.7	569.0	560.5
65°	499.8	502.4	493.9	490.5	482.4
67.5°	421.8	423.9	415.8	411.1	406.5
70°	345.4	347.1	340.3	336.0	331.8
72.5°	273.3	273.7	267.3	266.0	260.9
75°	206.6	208.3	202.0	200.7	197.3
77.5°	148.5	148.9	144.7	143.8	140.9
80°	98.4	98.9	95.9	95.5	92.9
82.5°	59.4	59.8	57.3	57.3	55.6
85°	29.7	30.1	28.9	28.9	28.0
87.5°	10.2	10.6	10.2	10.2	9.8
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)