

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: P506363

Luminaire Tested: **22PD-55-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PR1-L930
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

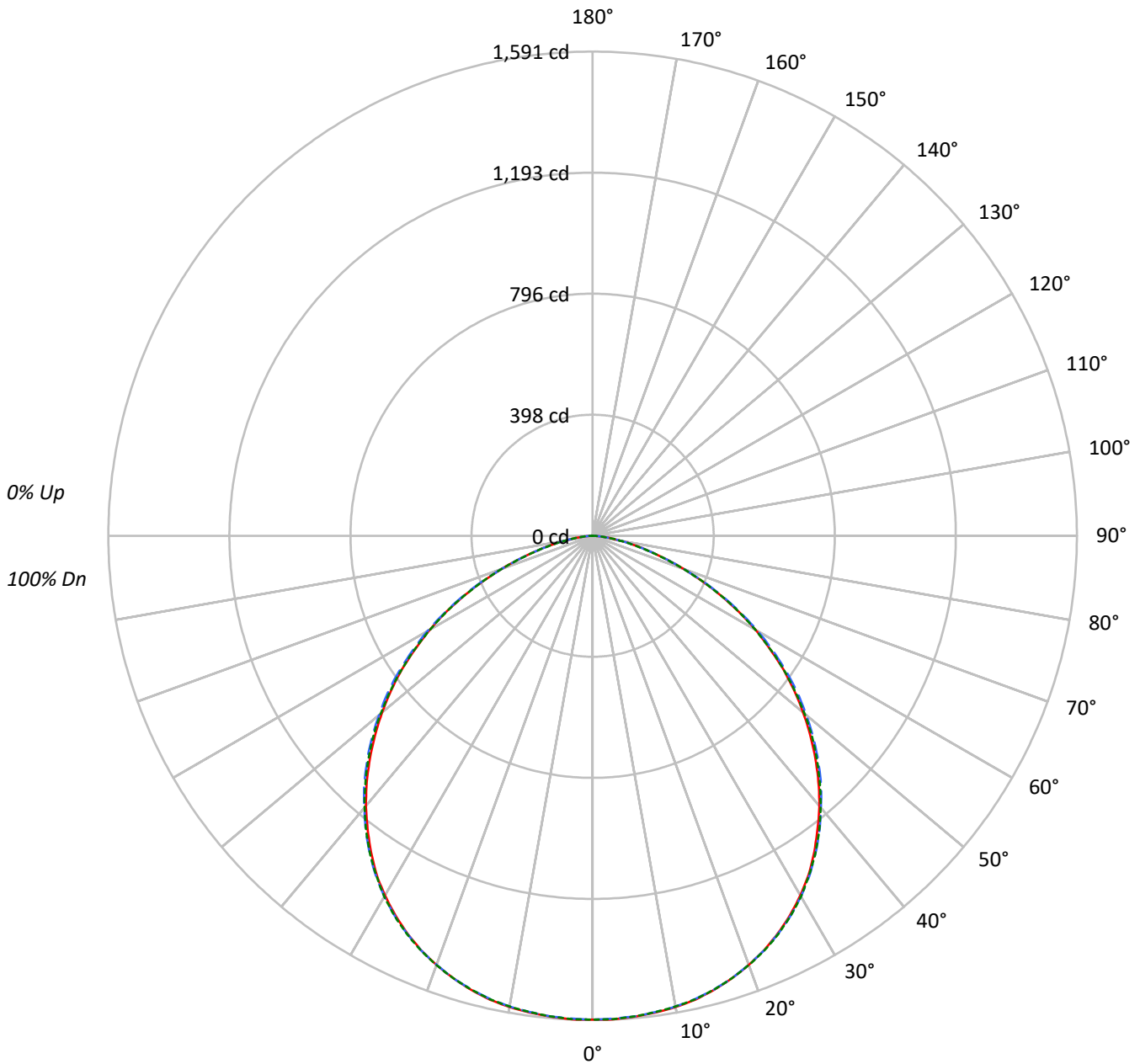
Lumens per Lamp: N/A
Luminaire Lumens: 4248.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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				
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			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4278	4278	4278
5°	4284	4281	4281
10°	4297	4292	4292
15°	4303	4299	4300
20°	4297	4296	4298
25°	4279	4283	4287
30°	4240	4253	4255
35°	4168	4191	4189
40°	4071	4099	4094
45°	3938	3988	3968
50°	3778	3836	3805
55°	3586	3643	3591
60°	3324	3370	3313
65°	2966	2996	2963
70°	2495	2495	2478
75°	1955	1955	1933
80°	1432	1416	1407
85°	936	936	951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	3.6
10°-20°	435.7	10.3
20°-30°	664.5	15.6
30°-40°	796.4	18.7
40°-50°	804.3	18.9
50°-60°	688.2	16.2
60°-70°	464.1	10.9
70°-80°	204.7	4.8
80°-90°	39.3	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°	1251.0	29.4
0°-40°	2047.4	48.2
0°-60°	3539.9	83.3
0°-90°	4248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4248.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1590	1590	1590	1590	1590	
5°	1586	1584	1585	1584	1585	151
15°	1545	1544	1543	1542	1544	436
25°	1441	1443	1443	1443	1444	664
35°	1269	1276	1276	1275	1275	793
45°	1035	1043	1048	1046	1043	797
55°	764	771	776	776	765	681
65°	466	470	471	470	465	460
75°	188	189	188	189	186	205
85°	30	30	30	31	31	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1590.8	1588.7	1588.2	1587.6	1589.7
5°	1586.0	1583.9	1585.0	1583.9	1585.0
7.5°	1580.2	1578.1	1578.6	1577.5	1578.6
10°	1572.7	1570.6	1570.6	1569.6	1570.6
12.5°	1561.1	1559.5	1558.9	1557.9	1559.5
15°	1544.6	1544.1	1543.0	1542.5	1543.5
17.5°	1524.4	1523.4	1524.4	1522.8	1523.9
20°	1500.5	1501.0	1500.0	1500.5	1501.0
22.5°	1473.4	1473.4	1474.0	1474.0	1475.0
25°	1441.0	1442.6	1442.6	1442.6	1443.7
27.5°	1404.9	1407.0	1408.6	1407.6	1408.6
30°	1364.5	1368.3	1368.8	1368.3	1369.3
32.5°	1321.0	1323.6	1325.2	1324.2	1323.1
35°	1268.9	1276.4	1275.8	1274.8	1275.3
37.5°	1214.2	1221.7	1224.3	1222.2	1222.7
40°	1159.0	1165.4	1166.9	1167.5	1165.4
42.5°	1097.9	1105.3	1111.2	1108.5	1105.3
45°	1034.7	1042.7	1048.0	1046.4	1042.7
47.5°	969.4	976.8	984.2	981.6	977.9
50°	902.4	909.9	916.2	915.2	908.8
52.5°	833.9	842.4	848.3	846.1	837.6
55°	764.3	771.2	776.5	775.5	765.4
57.5°	688.9	697.9	700.6	699.0	691.6
60°	617.7	623.6	626.2	624.1	615.6
62.5°	541.8	546.6	548.7	548.2	542.3
65°	465.8	469.5	470.6	469.5	465.3
67.5°	387.7	393.1	393.6	393.6	389.3
70°	317.1	318.7	317.1	321.3	315.0
72.5°	248.6	249.6	248.6	248.6	245.9
75°	188.0	188.6	188.0	188.6	185.9
77.5°	136.0	137.0	134.9	136.5	133.9
80°	92.4	92.4	91.4	91.9	90.8
82.5°	57.4	58.4	56.8	56.8	56.3
85°	30.3	30.3	30.3	30.8	30.8
87.5°	10.6	10.6	11.2	11.2	10.6
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)