

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: P302110

Luminaire Tested: **RX-WO-24H930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-24H930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

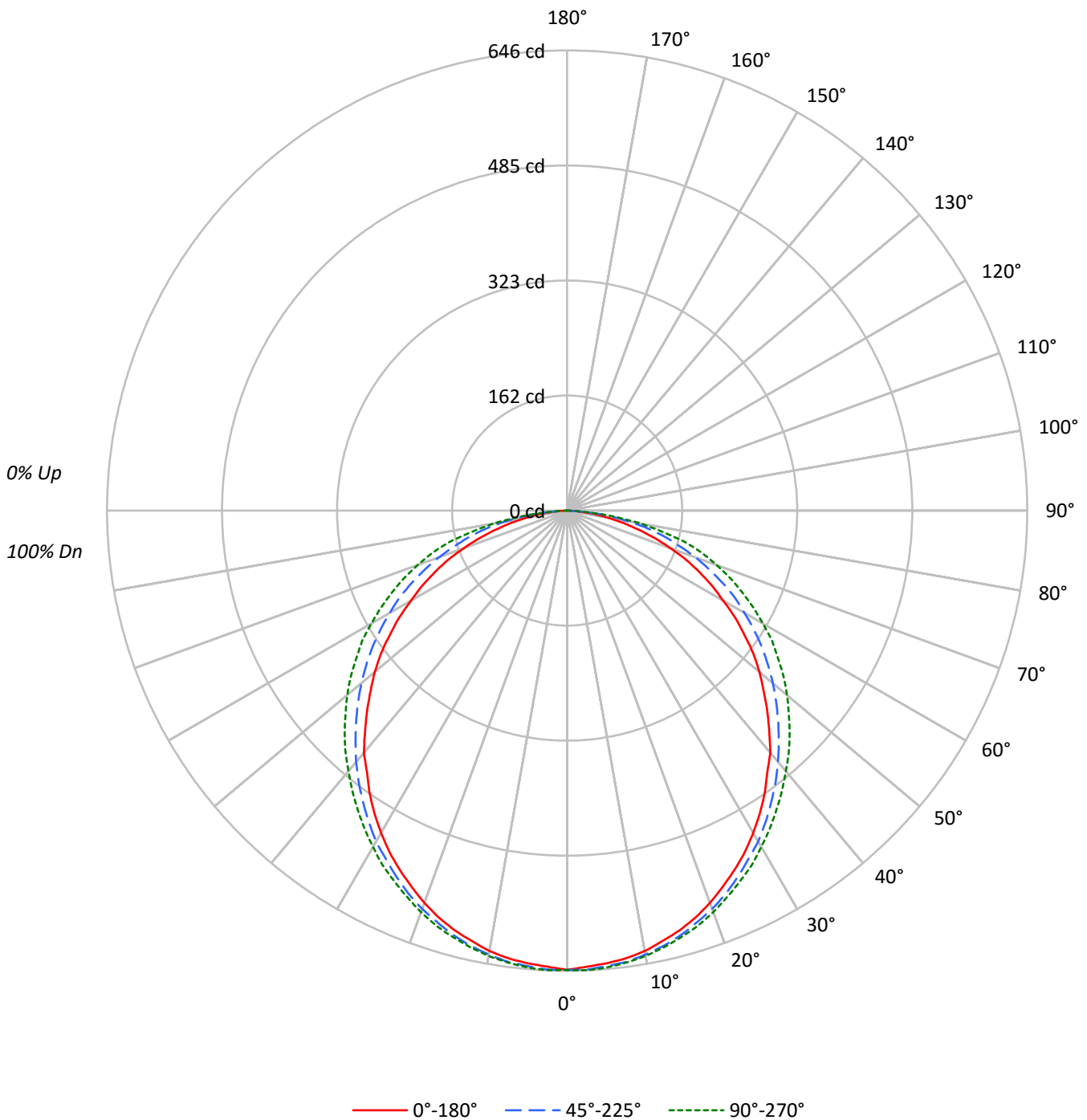
Lumens per Lamp: N/A
Luminaire Lumens: 1848.4 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 17.7
Input Voltage (V): 120
Input Current (Ain): 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	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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1735	1735	1735
5°	1723	1734	1739
10°	1716	1729	1735
15°	1699	1719	1727
20°	1678	1704	1718
25°	1652	1684	1705
30°	1623	1667	1694
35°	1589	1641	1684
40°	1559	1618	1678
45°	1511	1594	1681
50°	1475	1579	1687
55°	1424	1564	1695
60°	1361	1548	1708
65°	1305	1533	1724
70°	1213	1504	1754
75°	1076	1469	1790
80°	910	1373	1619
85°	645	951	923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	3.3
10°-20°	173.7	9.4
20°-30°	261.0	14.1
30°-40°	312.3	16.9
40°-50°	323.8	17.5
50°-60°	297.8	16.1
60°-70°	236.4	12.8
70°-80°	146.0	7.9
80°-90°	36.3	2.0
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°	495.7	26.8
0°-40°	808.0	43.7
0°-60°	1429.7	77.3
0°-90°	1848.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1848.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	638	640	642	644	644	61
15°	610	612	617	620	620	172
25°	556	560	567	573	574	256
35°	484	489	500	510	512	302
45°	397	404	419	436	442	307
55°	304	312	333	356	361	272
65°	205	214	241	264	271	203
75°	104	117	141	163	172	111
85°	21	27	31	31	30	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	644.8	644.8	644.8	644.8	644.8
2.5°	640.8	641.8	644.8	645.8	645.8
5°	637.9	639.8	641.8	643.8	643.8
7.5°	633.9	635.9	638.9	639.8	639.8
10°	627.9	629.9	632.9	634.9	634.9
12.5°	619.0	621.9	625.9	627.9	627.9
15°	610.0	612.0	617.0	619.9	619.9
17.5°	599.1	601.0	606.0	610.0	611.0
20°	586.1	588.1	595.1	599.1	600.0
22.5°	571.2	574.2	582.1	586.1	587.1
25°	556.3	560.2	567.2	573.2	574.2
27.5°	540.3	544.3	551.3	559.2	561.2
30°	522.4	526.4	536.4	543.3	545.3
32.5°	503.5	508.5	518.4	527.4	529.4
35°	483.6	488.6	499.5	509.5	512.5
37.5°	461.7	468.7	480.6	491.6	495.6
40°	443.8	447.8	460.7	473.7	477.6
42.5°	419.9	425.9	439.8	454.8	460.7
45°	397.0	404.0	418.9	435.9	441.8
47.5°	374.2	381.1	398.0	416.0	421.9
50°	352.3	358.2	377.1	397.0	403.0
52.5°	329.4	335.3	355.3	377.1	383.1
55°	303.5	311.5	333.4	356.2	361.2
57.5°	279.6	287.6	310.5	332.4	341.3
60°	252.8	262.7	287.6	309.5	317.4
62.5°	229.9	237.8	265.7	287.6	294.5
65°	205.0	213.9	240.8	263.7	270.7
67.5°	181.1	190.1	215.9	238.8	247.8
70°	154.2	164.2	191.1	213.9	222.9
72.5°	129.4	141.3	165.2	189.1	199.0
75°	103.5	117.4	141.3	163.2	172.2
77.5°	80.6	92.5	115.4	130.4	135.3
80°	58.7	70.7	88.6	98.5	104.5
82.5°	39.8	46.8	60.7	67.7	67.7
85°	20.9	26.9	30.8	30.8	29.9
87.5°	7.0	8.0	6.0	3.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)