

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: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25685)

Luminaire Tested: **E3X-WL-1L35-LD5-UNV-22**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25685)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: E3X-WL-1L35-LD5-UNV-22
Description: CORELITE CLASS E LED 2X2 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS
Light Source: -
Ballast/Driver: -

Summary

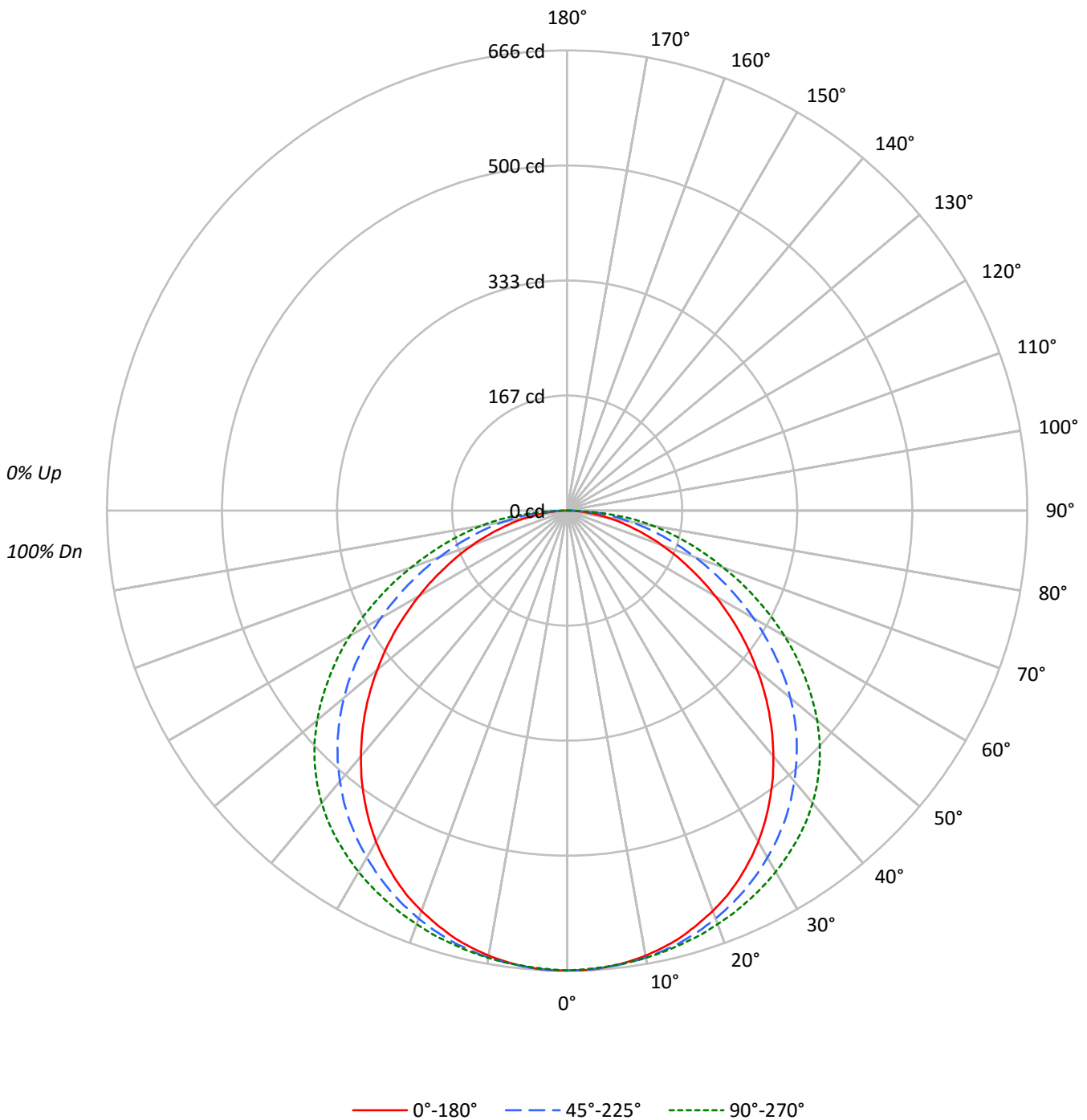
Lumens per Lamp: N/A
Luminaire Lumens: 2001.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.76' x L: 1.78' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
Input Voltage (V): NR
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69					69			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57					57			
4	82	70	61	54	79	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	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2287	2287	2287
5°	2287	2288	2285
10°	2282	2292	2294
15°	2272	2296	2307
20°	2254	2298	2329
25°	2231	2300	2359
30°	2196	2300	2395
35°	2145	2301	2437
40°	2082	2294	2479
45°	2009	2283	2512
50°	1919	2254	2525
55°	1819	2205	2518
60°	1701	2142	2497
65°	1580	2063	2458
70°	1462	1975	2407
75°	1317	1898	2403
80°	1187	1856	2485
85°	1045	1924	2468



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	3.2
10°-20°	181.9	9.1
20°-30°	279.2	14.0
30°-40°	342.1	17.1
40°-50°	360.0	18.0
50°-60°	326.0	16.3
60°-70°	248.7	12.4
70°-80°	150.4	7.5
80°-90°	49.6	2.5
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°	524.2	26.2
0°-40°	866.3	43.3
0°-60°	1552.3	77.6
0°-90°	2001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	663	661	664	664	662	63
15°	639	639	645	649	649	180
25°	589	591	607	619	622	271
35°	511	520	549	573	581	320
45°	413	428	470	505	517	319
55°	304	322	368	407	420	271
65°	194	213	254	289	302	193
75°	99	113	143	171	181	107
85°	26	32	49	60	63	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	665.7	665.7	665.7	665.7	665.7
2.5°	665.7	663.5	665.3	665.7	664.2
5°	663.1	661.3	663.5	663.9	662.4
7.5°	659.5	658.1	660.5	661.3	660.3
10°	654.1	653.4	657.0	658.4	657.4
12.5°	647.2	646.5	651.6	654.1	653.4
15°	638.8	638.8	645.4	649.0	648.6
17.5°	628.0	628.8	637.4	642.8	643.6
20°	616.5	617.8	628.4	635.6	637.0
22.5°	603.7	605.3	618.2	628.0	630.2
25°	588.6	591.1	606.7	619.3	622.2
27.5°	571.6	575.5	594.0	609.2	613.5
30°	553.4	558.8	579.8	598.3	603.7
32.5°	533.1	539.7	565.0	586.0	592.9
35°	511.4	520.2	548.7	573.0	580.9
37.5°	488.7	498.5	531.0	558.5	568.0
40°	464.3	476.7	511.4	542.5	552.7
42.5°	439.4	453.2	491.5	524.9	535.7
45°	413.4	428.2	469.8	505.3	516.9
47.5°	386.6	403.6	446.6	483.9	495.8
50°	359.1	376.8	421.7	460.1	472.4
52.5°	331.5	350.1	396.0	434.4	447.0
55°	303.7	322.2	368.1	407.2	420.3
57.5°	275.1	294.6	340.3	379.0	393.1
60°	247.6	267.1	311.7	348.9	363.4
62.5°	220.8	240.4	282.3	319.6	333.0
65°	194.4	212.9	253.8	289.2	302.3
67.5°	170.1	186.4	224.7	258.8	271.5
70°	145.5	160.7	196.6	228.4	239.6
72.5°	122.4	136.2	169.4	199.4	210.3
75°	99.2	112.6	143.0	170.8	181.0
77.5°	79.6	90.1	117.6	143.3	152.8
80°	60.0	69.2	93.8	116.9	125.6
82.5°	42.3	50.0	70.9	90.5	97.7
85°	26.5	32.3	48.8	59.7	62.6
87.5°	11.9	15.9	22.1	21.7	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)